LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP009575.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.375	400	406	431	rVB	3278073	5874636	8.57%	0.852%
2	6.316	560	566	586	rBV	371170	1168859	1.71%	0.170%
3	6.957	663	675	696	rBV	3126722	6315616	9.22%	0.916%
4	7.763	804	812	821	rBV	959846	1705217	2.49%	0.247%
5	8.922	1002	1009	1019	rVB	2096473	3792590	5.54%	0.550%
6	10.557	1279	1287	1290	rBV	1392255	2628687	3.84%	0.381%
7	10.610	1290	1296	1305	rVV	10959653	20245186	29.55%	2.936%
8	10.728	1309	1316	1325	rVV	1918484	3683200	5.38%	0.534%
9	11.393	1422	1429	1439	rBV	3786740	7216352	10.53%	1.047%
10	11.734	1481	1487	1505	rVB	2424153	4879601	7.12%	0.708%
11	12.234	1561	1572	1579	rBV	15679257	28434443	41.50%	4.124%
12	12.351	1585	1592	1598	rBV	5483373	9453947	13.80%	1.371%
13	12.451	1598	1609	1620	rVB	9947535	18178203	26.53%	2.636%
14	12.957	1689	1695	1701	rBV	1213245	2047611	2.99%	0.297%
15	13.034	1701	1708	1717	rVB	4416308	7303935	10.66%	1.059%
16	13.245	1738	1744	1752	rVV2	5918380	9990321	14.58%	1.449%
17	13.439	1772	1777	1790	rVB	1561251	3313159	4.84%	0.480%
18	13.575	1790	1800	1801	rBV	3186018	4693273	6.85%	0.681%
19	13.734	1817	1827	1832	rBV	5562005	11909017	17.38%	1.727%
20	13.787	1832	1836	1848	rVB	3590391	5879045	8.58%	0.853%
21	13.939	1853	1862	1864	rBV	1618896	2838838	4.14%	0.412%
22	13.969	1864	1867	1871	rVB	1339130	1858962	2.71%	0.270%
23	14.134	1885	1895	1901	rBV2	1698145	3089209	4.51%	0.448%
24	14.392	1934	1939	1941	rBV	2229848	3458691	5.05%	0.502%
25	14.481	1948	1954	1961	rBV	16579592	28628929	41.78%	4.152%
26	14.545	1961	1965	1972	rVB2	1495114	2395566	3.50%	0.347%
27	14.628	1972	1979	1987	rBV5	670258	1812124	2.64%	0.263%
28	14.722	1987	1995	2001	rBV4	985657	1967532	2.87%	0.285%
29	14.822	2005	2012	2020	rVB	14303517	24164781	35.27%	3.504%
30	14.892	2020	2024	2031	rVB	1131338	1608152	2.35%	0.233%
31	15.039	2041	2049	2054	rBV3	1205570	2407775	3.51%	0.349%
32	15.092	2054	2058	2070	rVV3	1117383	2055213	3.00%	0.298%
33	15.210	2070	2078	2081	rVV2	886816	1997301	2.92%	0.290%
34	15.357	2098	2103	2107	rVV4	656330	1440840	2.10%	0.209%
35	15.475	2115	2123	2133	rVV	18501747	30687902	44.79%	4.450%
36	15.563	2133	2138	2140	rVV	1010449	1489801	2.17%	0.216%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.592	2140	2143	2146	rVV	1544060	2455520	3.58%	0.356%
38	15.633	2146	2150	2154	rVV2	2737272	4351490	6.35%	0.631%
39	15.681	2154	2158	2161	rVV2	892309	1600868	2.34%	0.232%
40	15.716	2161	2164	2168	rVV	1339317	2224875	3.25%	0.323%
41	15.763	2168	2172	2182	rVB	3591764	5774244	8.43%	0.837%
42	15.916	2191	2198	2205	rVB	7999563	14309322	20.88%	2.075%
43	15.981	2205	2209	2211	rBV	950089	1332250	1.94%	0.193%
44	16.151	2233	2238	2251	rVB4	945850	2138663	3.12%	0.310%
45	16.269	2251	2258	2264	rBV4	581400	1431532	2.09%	0.208%
46	16.480	2284	2294	2299	rVV3	2597447	5718009	8.35%	0.829%
47	16.528	2299	2302	2308	rVB2	964199	1399828	2.04%	0.203%
48	16.628	2314	2319	2324	rVB2	1108914	2071133	3.02%	0.300%
49	16.710	2330	2333	2337	rVV	945460	1502431	2.19%	0.218%
50	16.751	2337	2340	2344	rVB	921171	1244969	1.82%	0.181%
51	16.839	2351	2355	2362	rVB4	590670	1343237	1.96%	0.195%
52	16.910	2362	2367	2373	rBV2	1340839	2871396	4.19%	0.416%
53	16.992	2376	2381	2392	rVB	4266242	7727037	11.28%	1.121%
54	17.180	2404	2413	2415	rBV	2113893	3621075	5.29%	0.525%
55	17.239	2415	2423	2428	rVV2	33810117	68515544	100.00%	9.936%
56	17.286	2428	2431	2432	rVV	1906375	2125061	3.10%	0.308%
57	17.316	2432	2436	2441	rVV	7976332	12245163	17.87%	1.776%
58	17.375	2441	2446	2452	rVB	5682573	8348177	12.18%	1.211%
59	17.592	2471	2483	2496	rBV2	9822632	20570660	30.02%	2.983%
60	17.698	2497	2501	2508	rVV3	1219793	2124687	3.10%	0.308%
61	17.763	2508	2512	2519	rVV4	865822	1775156	2.59%	0.257%
62	17.839	2519	2525	2531	rVV2	936947	2027634	2.96%	0.294%
63	18.057	2552	2562	2565	rBV2	4329481	8217916	11.99%	1.192%
64	18.104	2565	2570	2577	rVB	7081068	10715079	15.64%	1.554%
65	18.180	2578	2583	2588	rBV	2803119	4176739	6.10%	0.606%
66	18.245	2588	2594	2598	rBV2	8305965	14477660	21.13%	2.100%
67	18.351	2606	2612	2615	rBV4	1062912	2053315	3.00%	0.298%
68	18.392	2616	2619	2623	rVV2	1027026	1555655	2.27%	0.226%
69	18.486	2631	2635	2640	rVV4	500277	1174604	1.71%	0.170%
70	18.539	2640	2644	2649	rVV	3162496	4470307	6.52%	0.648%
71	18.780	2678	2685	2689	rBV5	894254	1485405	2.17%	0.215%
72	18.945	2708	2713	2718	rBV	1531798	2720870	3.97%	0.395%
73	19.086	2733	2737	2745	rVB4	643411	1556092	2.27%	0.226%
74	19.216	2751	2759	2764	rBV	25662027	40859836	59.64%	5.926%
75	19.304	2771	2774	2778	rVB	1019655	1218470	1.78%	0.177%
76	19.439	2786	2797	2801	rBV2	1086897	2899520	4.23%	0.420%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : RO-124030

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.563	2808	2818	2826	rBV2	18308482	38454212	56.12%	5.577%
78	19.633	2826	2830	2836	rVB2	1230206	2047348	2.99%	0.297%
79	19.757	2842	2851	2855	rBV2	9059520	13869918	20.24%	2.011%
80	19.798	2855	2858	2863	rVB	2232009	2981199	4.35%	0.432%
81	19.874	2866	2871	2878	rBV2	1333796	3389747	4.95%	0.492%
82	19.933	2878	2881	2888	rVV2	791767	1167249	1.70%	0.169%
83	20.010	2888	2894	2897	rVV2	3353494	5592371	8.16%	0.811%
84	20.045	2897	2900	2905	rVB	4094011	5586848	8.15%	0.810%
85	20.145	2912	2917	2921	rBV	4555441	6206418	9.06%	0.900%
86	20.198	2921	2926	2930	rVV3	1783076	3463570	5.06%	0.502%
87	20.380	2954	2957	2962	rVB3	802966	1104523	1.61%	0.160%
88	20.633	2997	3000	3008	rVB3	982695	2200722	3.21%	0.319%
89	20.945	3049	3053	3056	rBV2	1077340	1752691	2.56%	0.254%
90	20.980	3056	3059	3063	rVV2	1850958	2892844	4.22%	0.420%
91	21.021	3063	3066	3086	rVB4	1664115	4912994	7.17%	0.712%
92	21.286	3101	3111	3116	rBV3	8485256	17411020	25.41%	2.525%
93	21.333	3116	3119	3129	rVB	5253921	7235860	10.56%	1.049%
94	21.451	3136	3139	3146	rVB	1139780	1626364	2.37%	0.236%
95	21.621	3164	3168	3173	rVB2	901716	1437544	2.10%	0.208%
96	21.868	3207	3210	3214	rVB	803113	1081376	1.58%	0.157%
97	22.962	3390	3396	3401	rBV	2546017	6025611	8.79%	0.874%
98	23.480	3479	3484	3492	rVB	1164623	2316312	3.38%	0.336%
99	23.580	3495	3501	3509	rVB	1712750	3681377	5.37%	0.534%
100	23.686	3513	3519	3525	rBV2	1927711	4066286	5.93%	0.590%

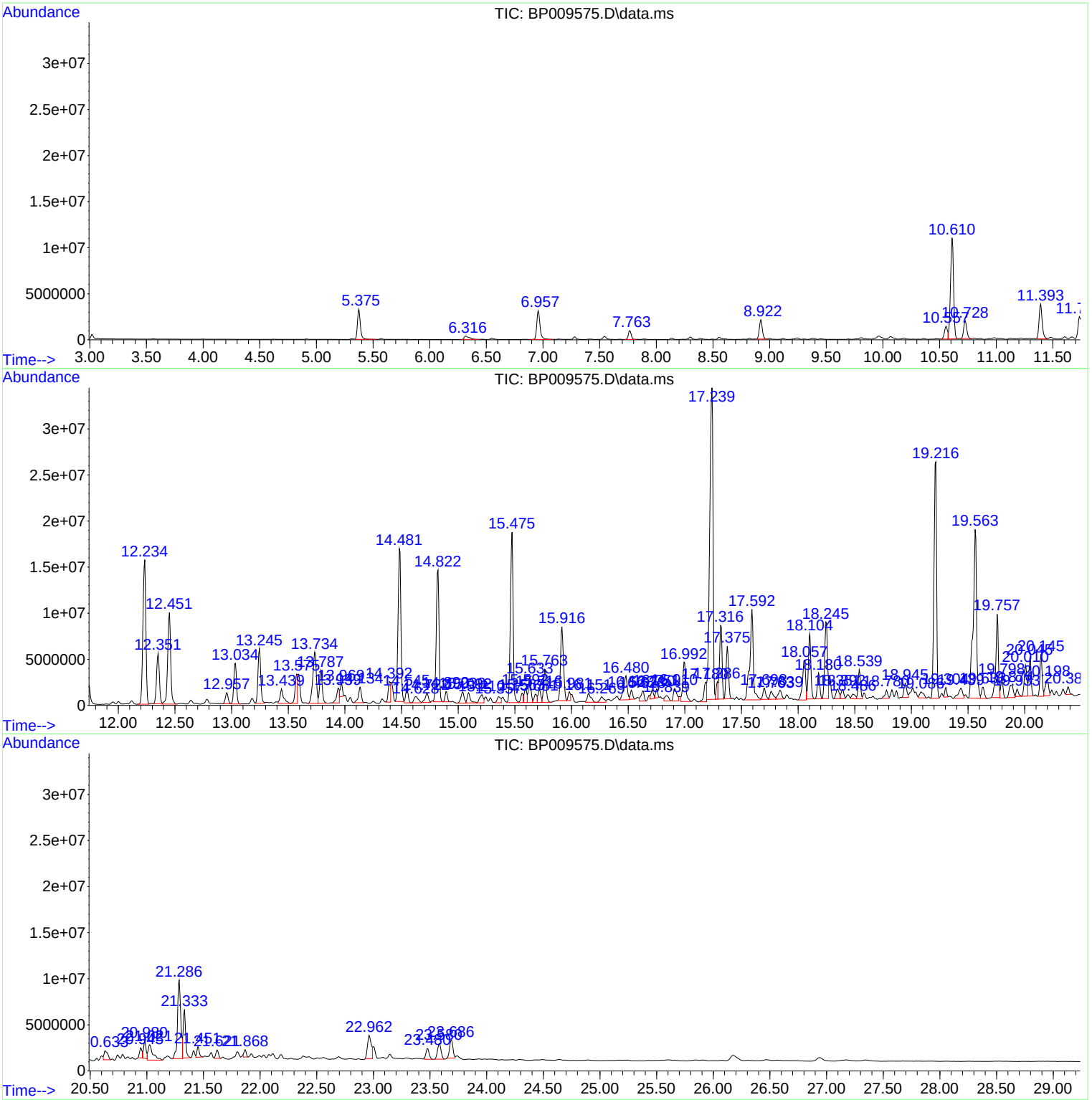
Sum of corrected areas: 689550347

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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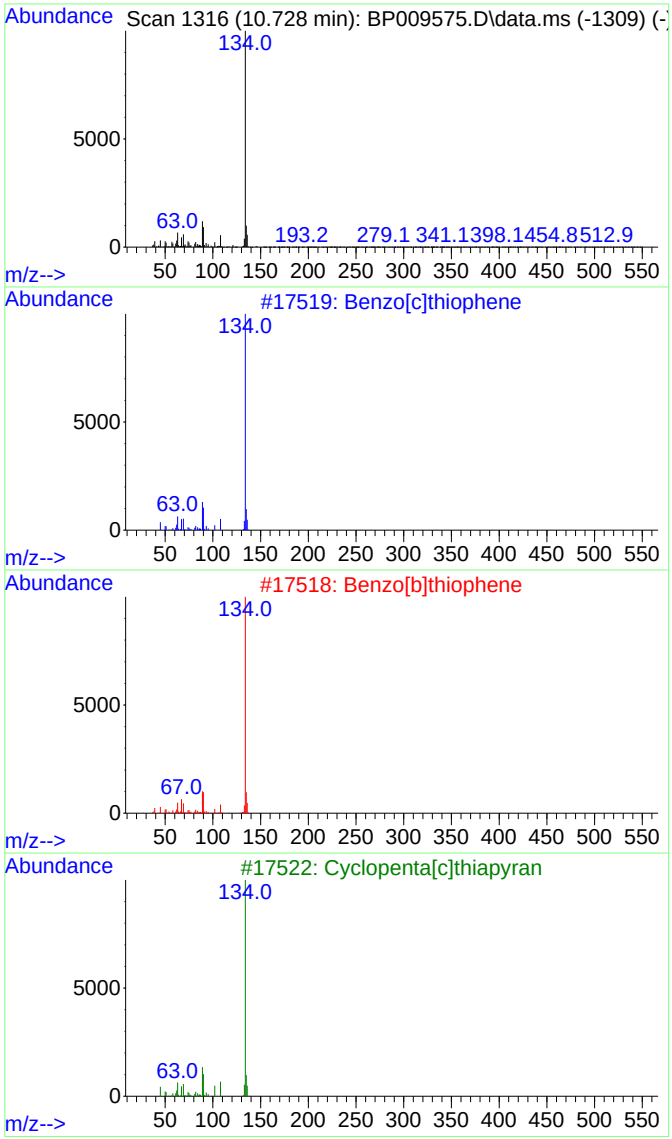
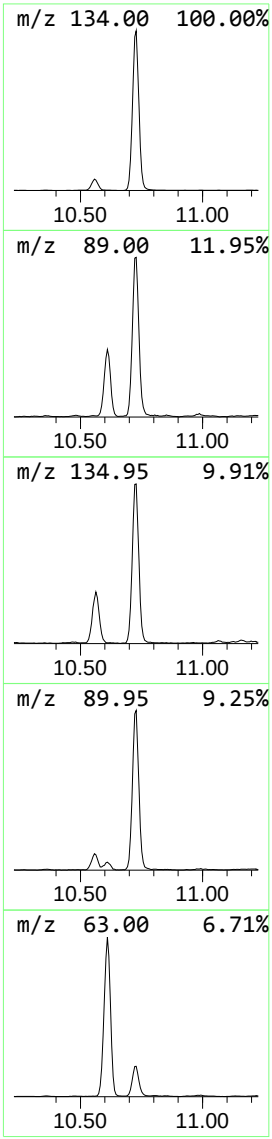
Peak Number 1 Benzo[c]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.728	28.02 ng	3683200	Naphthalene-d8	10.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	[1]Benzothieno[2',3':3,4]cyclobu...	246	C13H10O3S	034002-19-2	83
5	Thiazolidin-4-one, 5-benzylideno...	287	C13H9N3OS2	351062-07-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

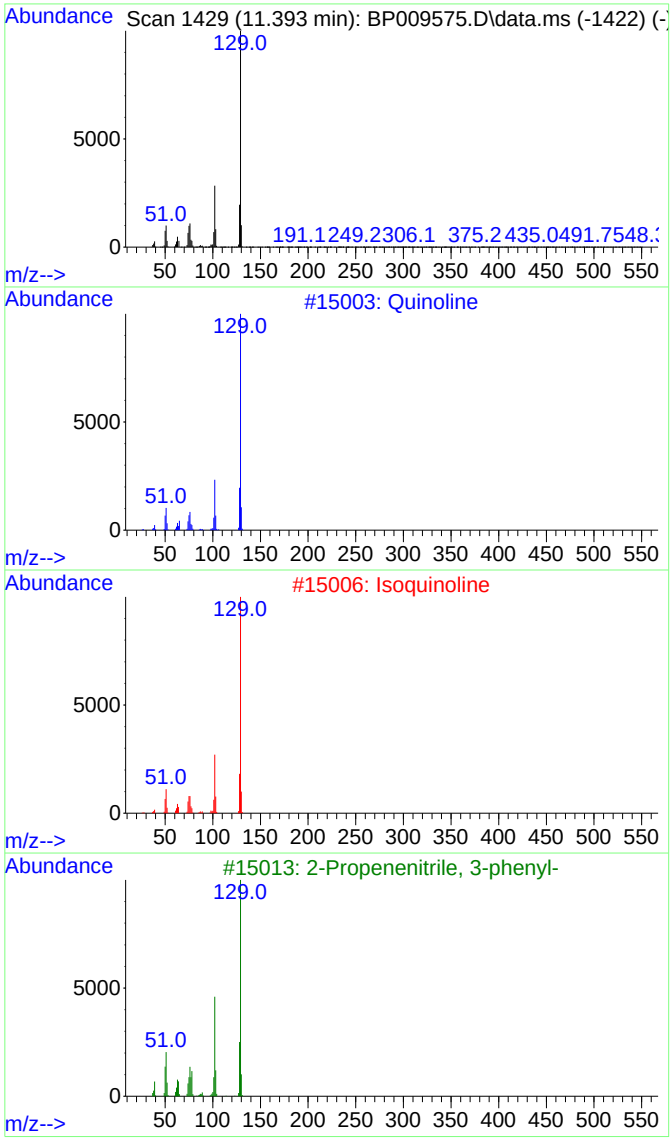
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

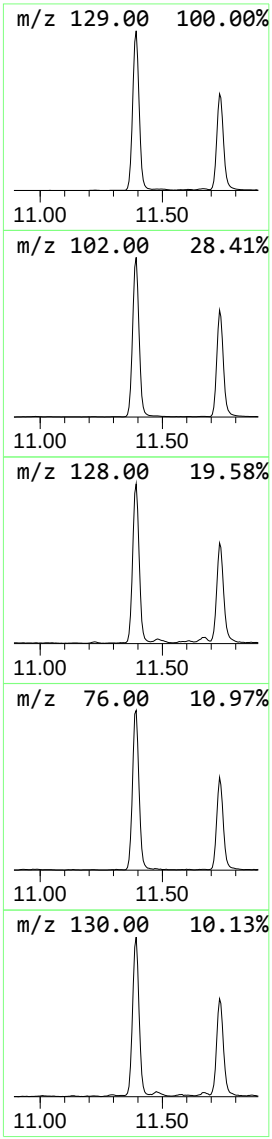
****

Peak Number 2 Quinoline Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.393	54.90 ng	7216350	Naphthalene-d8	10.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	97
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	2-Propenenitrile, 3-phenyl-	129	C9H7N	004360-47-8	95
4	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	91
5	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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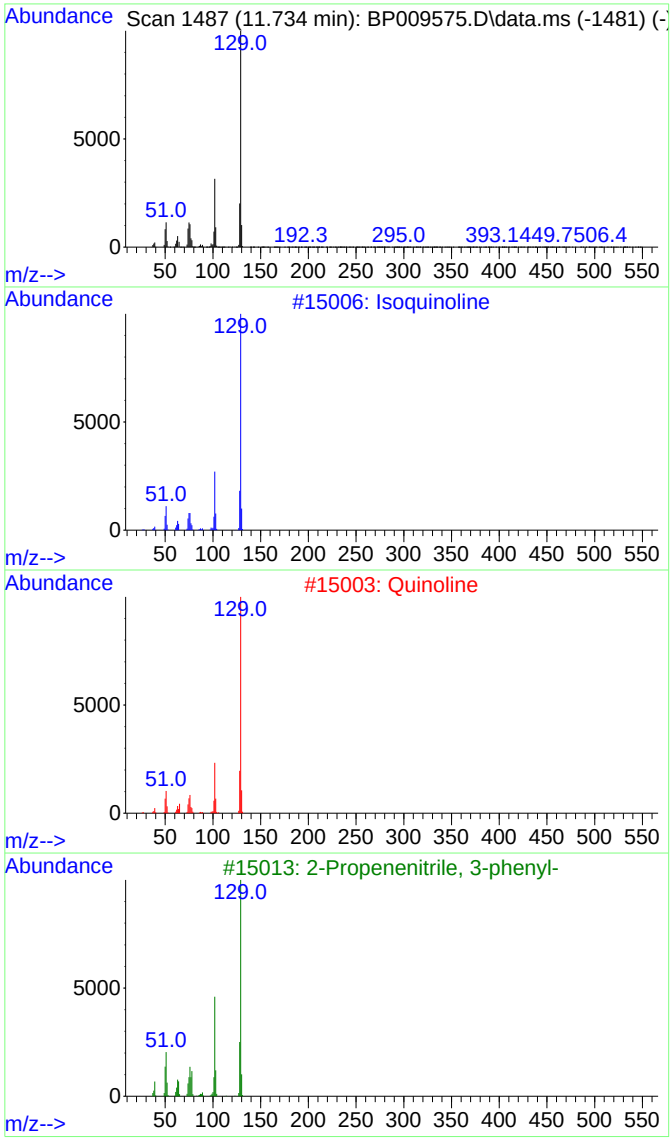
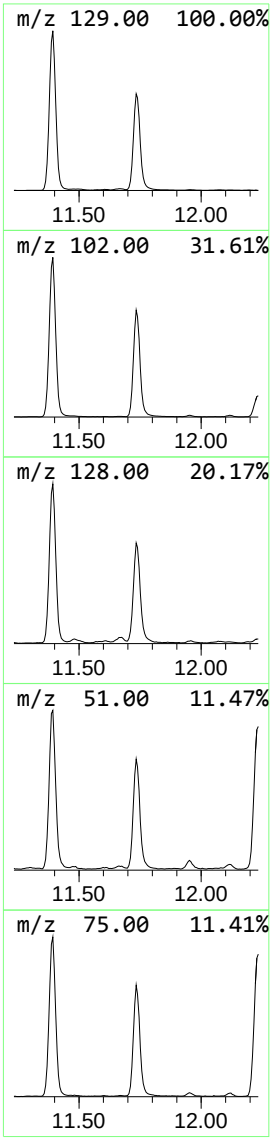
Peak Number 3 Isoquinoline Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.734	37.13 ng	4879600	Naphthalene-d8	10.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	97
2	Quinoline	129	C9H7N	000091-22-5	97
3	2-Propenenitrile, 3-phenyl-	129	C9H7N	004360-47-8	91
4	Benzeneacetonitrile, .alpha.-met...	129	C9H7N	000495-10-3	91
5	2-Propenenitrile, 3-phenyl-, (E)-	129	C9H7N	001885-38-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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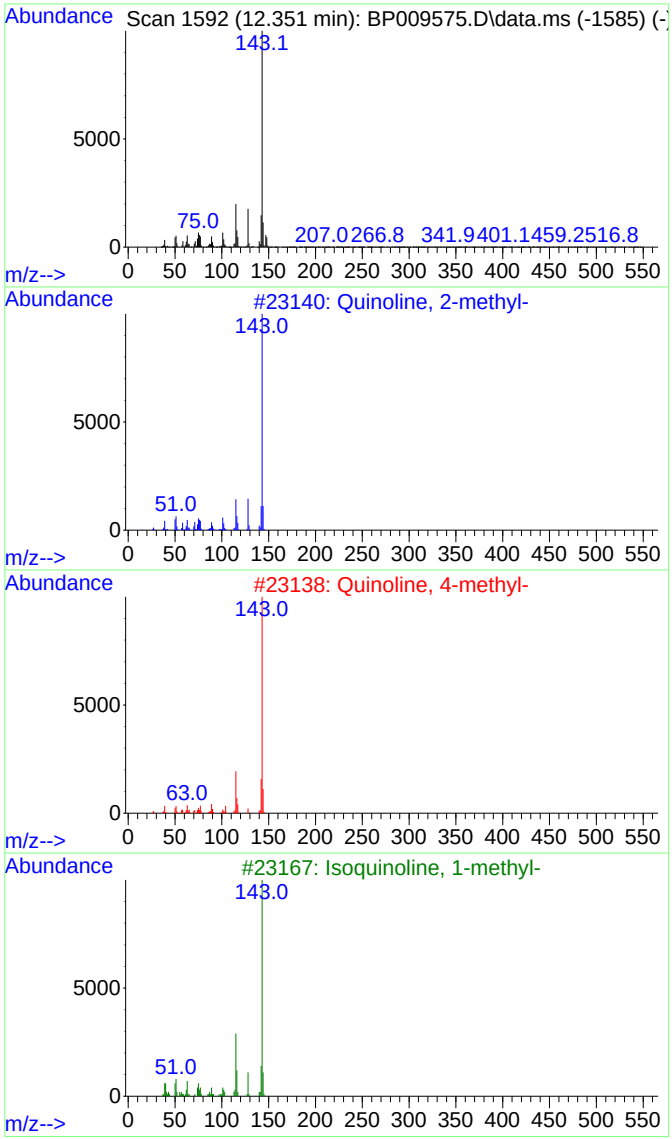
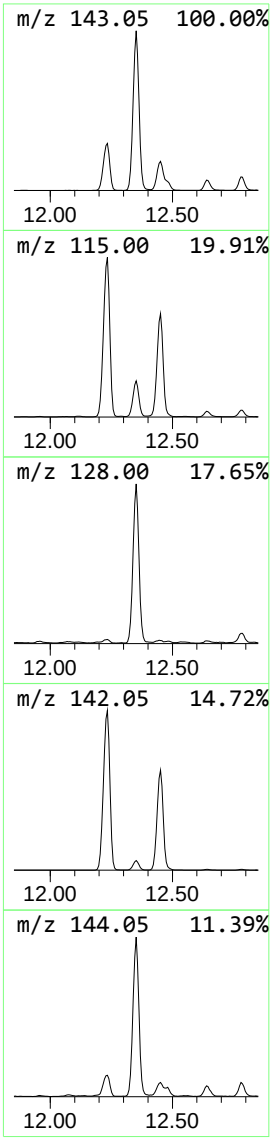
Peak Number 4 Quinoline, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.351	71.93 ng	9453950	Naphthalene-d8	10.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	95
2	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	87
3	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	87
4	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	83
5	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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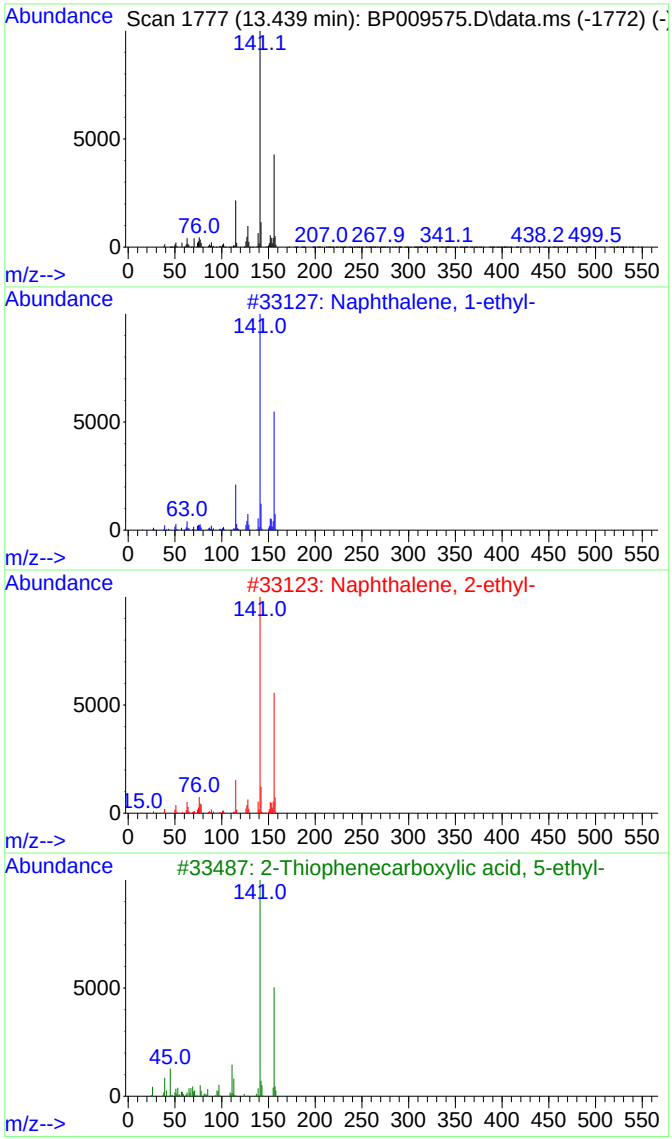
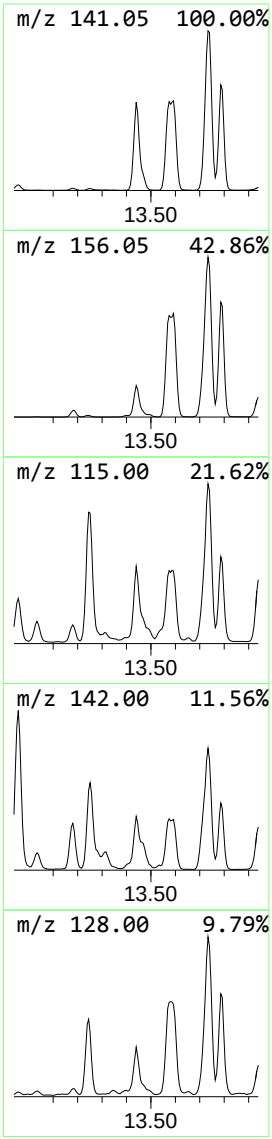
Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.440	19.16 ng	3313160	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53
5	7-Methyl-trans-8-thiabicyclo[4.3...	156	C9H16S	060133-10-0	50





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Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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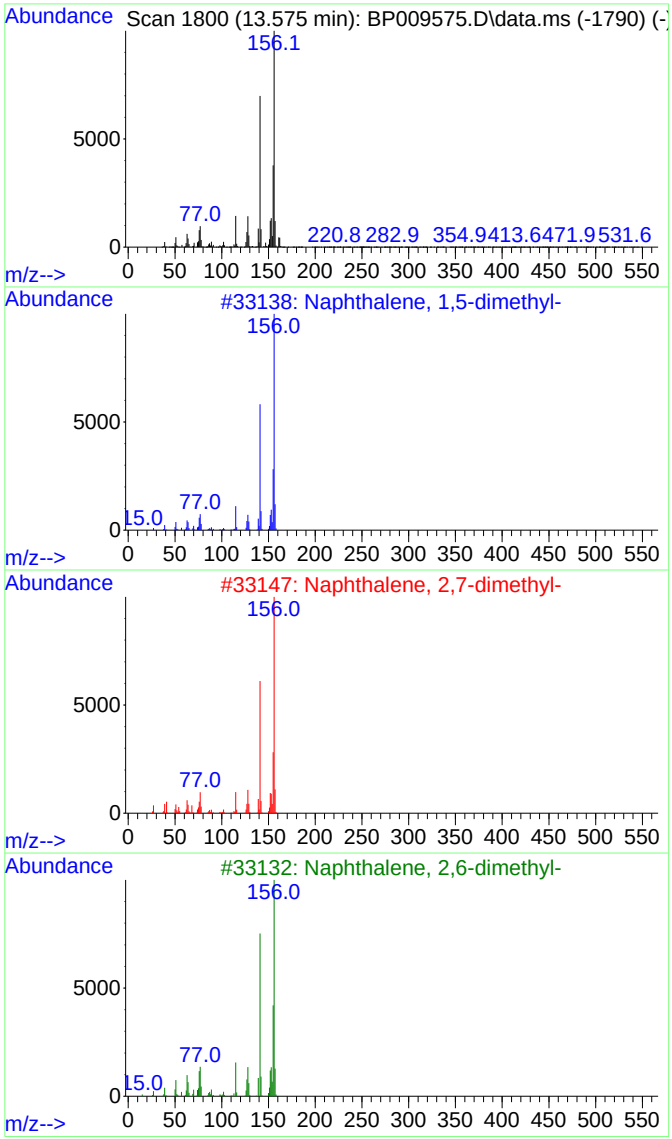
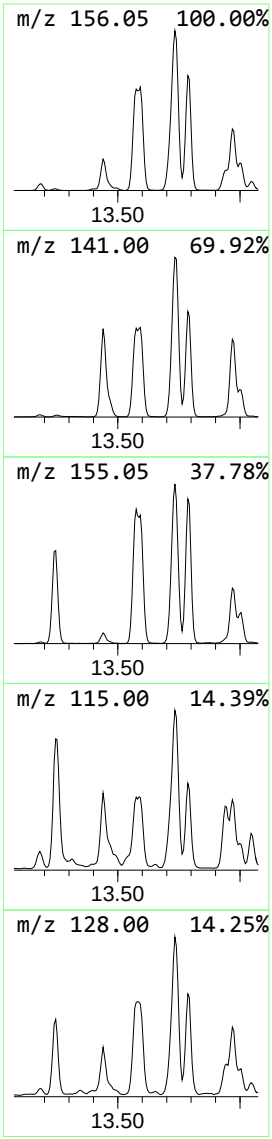
Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.575	27.14 ng	4693270	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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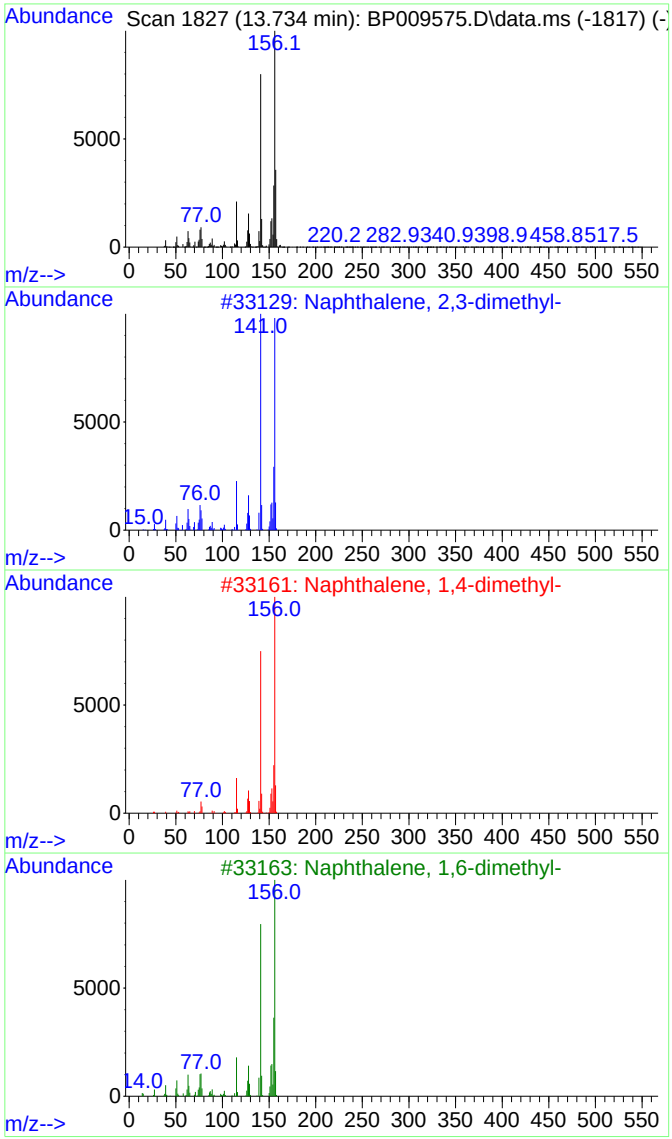
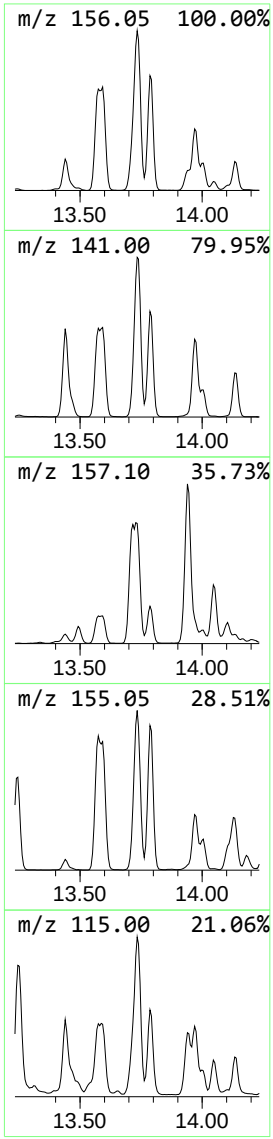
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.734	68.86 ng	11909000	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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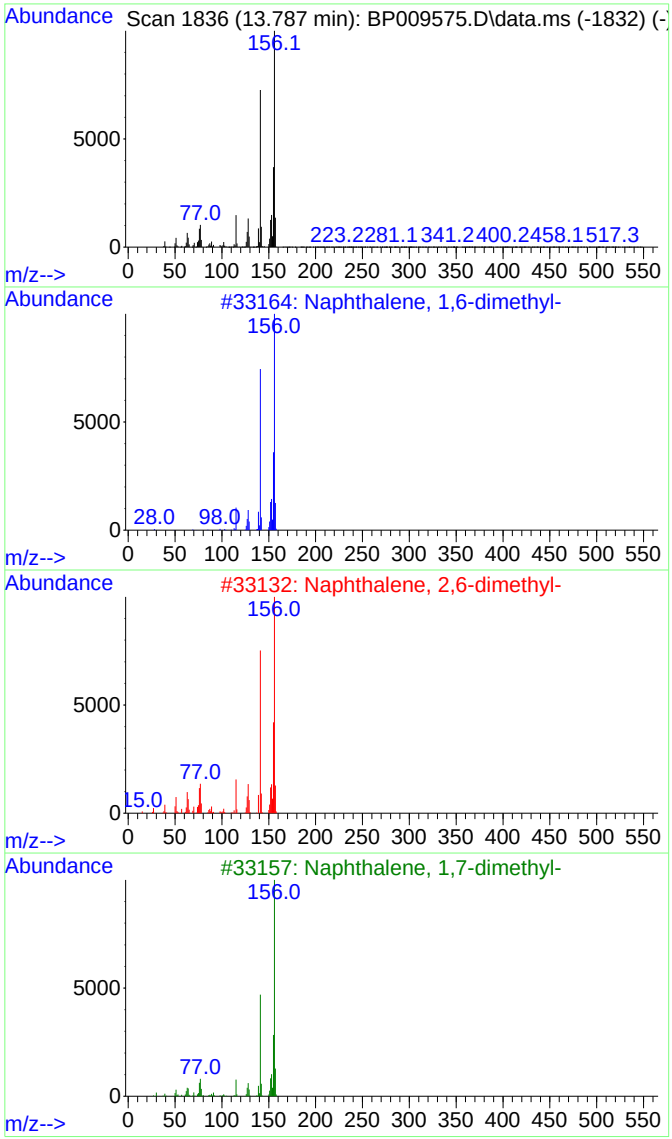
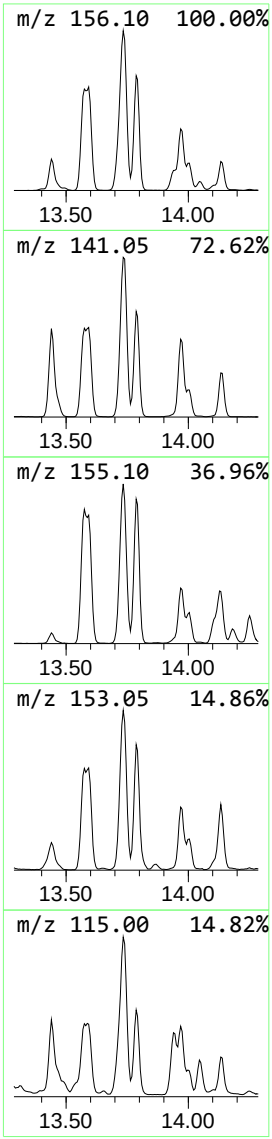
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.787	34.00 ng	5879050	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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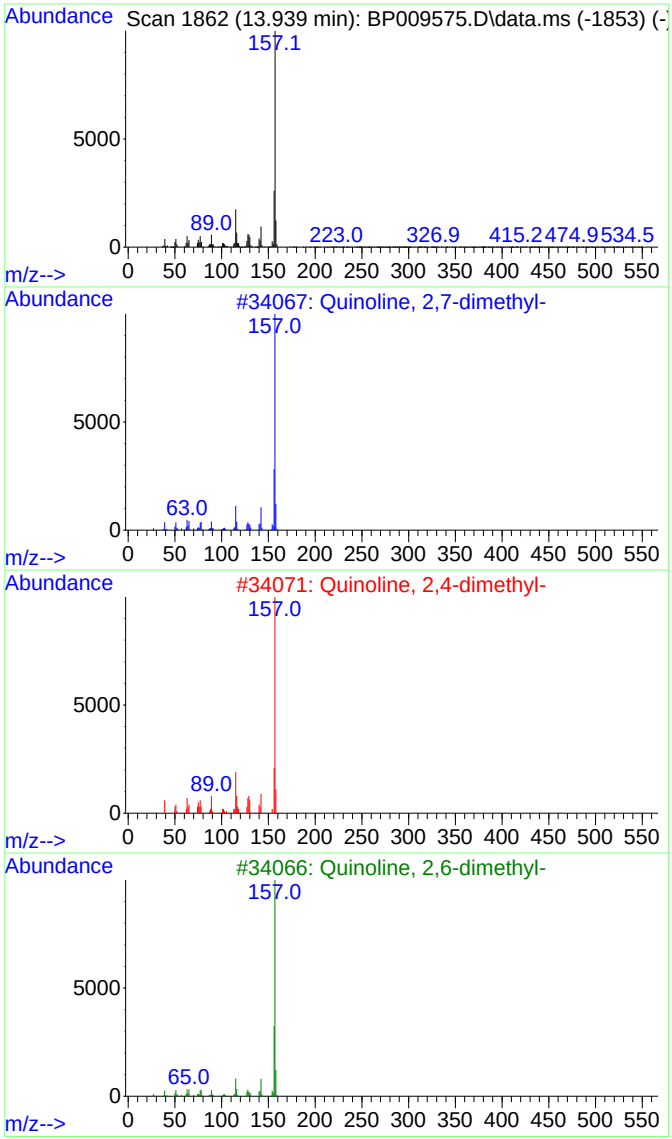
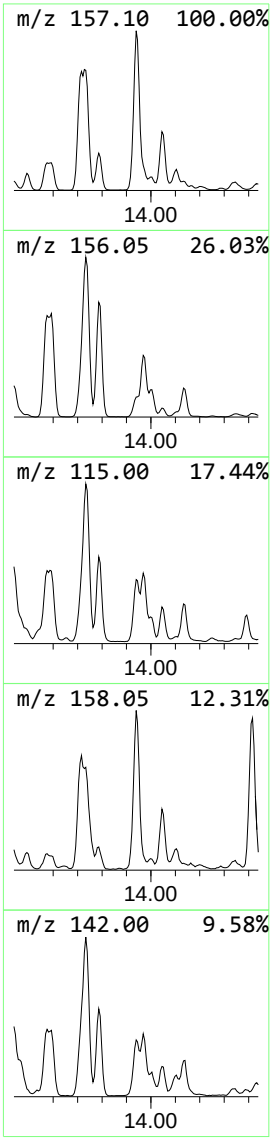
Peak Number 9 Quinoline, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	16.42 ng	2838840	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	94
2	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	94
3	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	94
4	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	91
5	Quinoline, 4,8-dimethyl-	157	C11H11N	013362-80-6	86





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Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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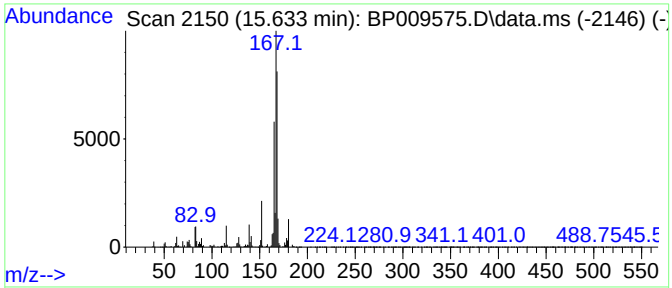
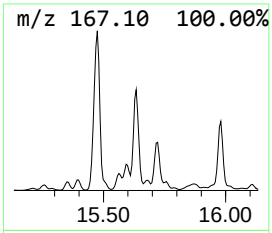
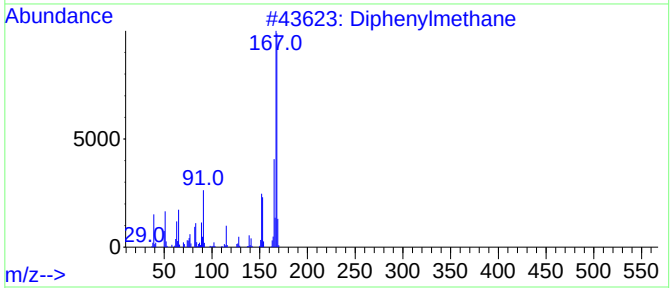
Peak Number 10 Diphenylmethane Concentration Rank 15

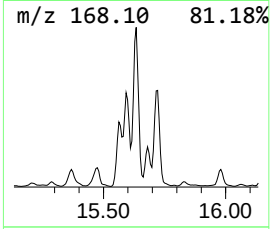
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.634	25.16 ng	4351490	Acenaphthene-d10	14.416

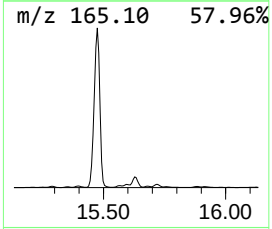
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	89
2	Nordiphenamid	225	C15H15NO	000954-21-2	87
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	52
5	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	49

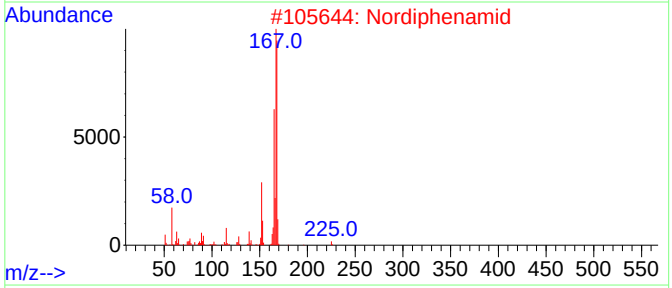


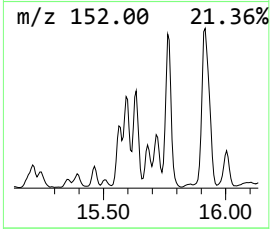


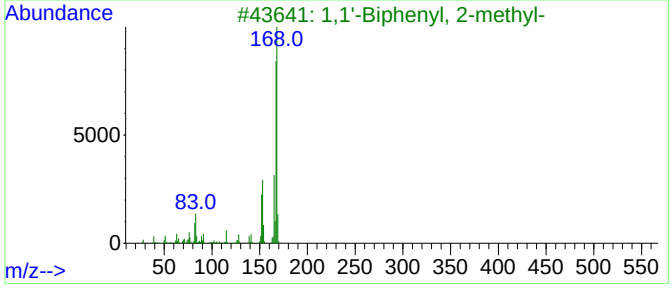


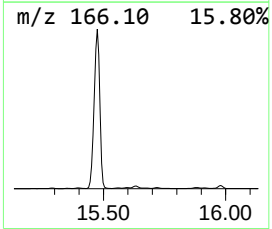












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Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

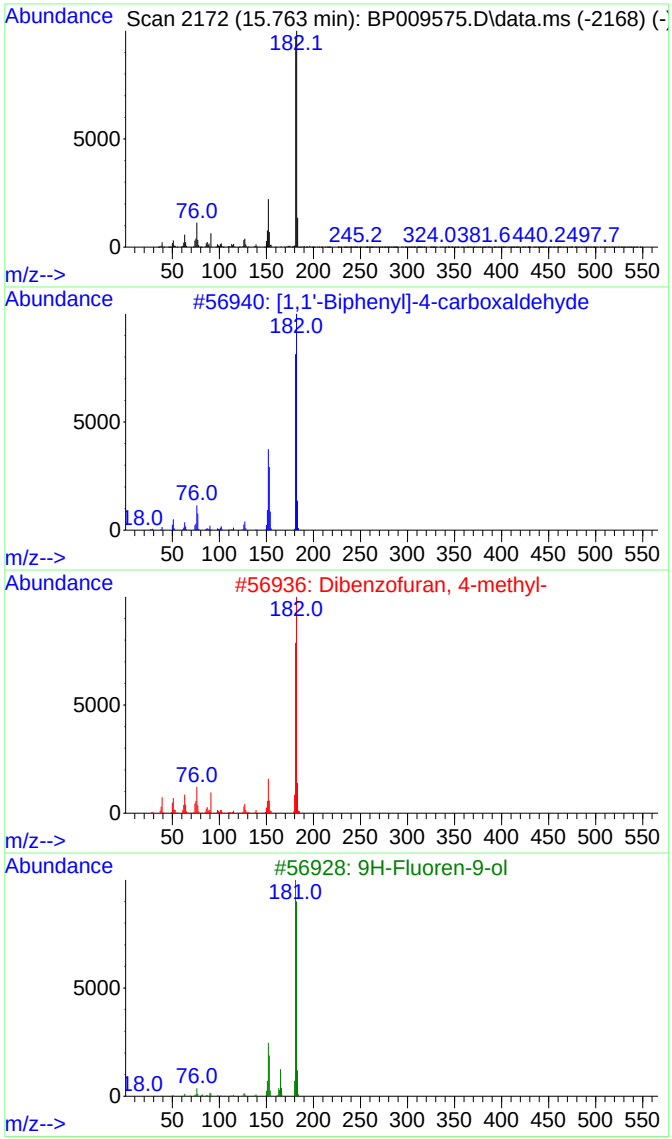
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

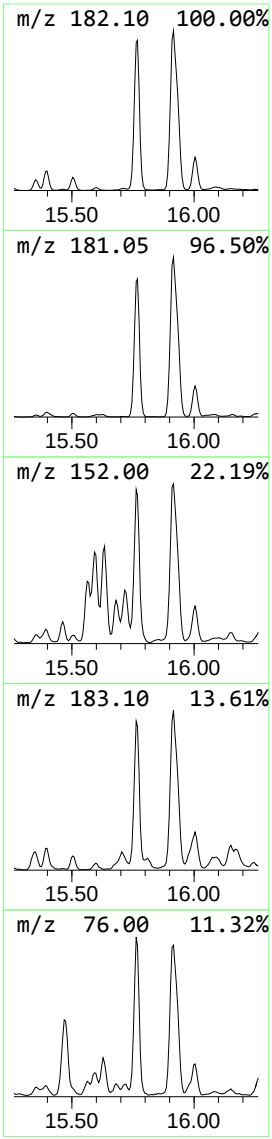
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.763	33.39 ng	5774240	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	74
5	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	64





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Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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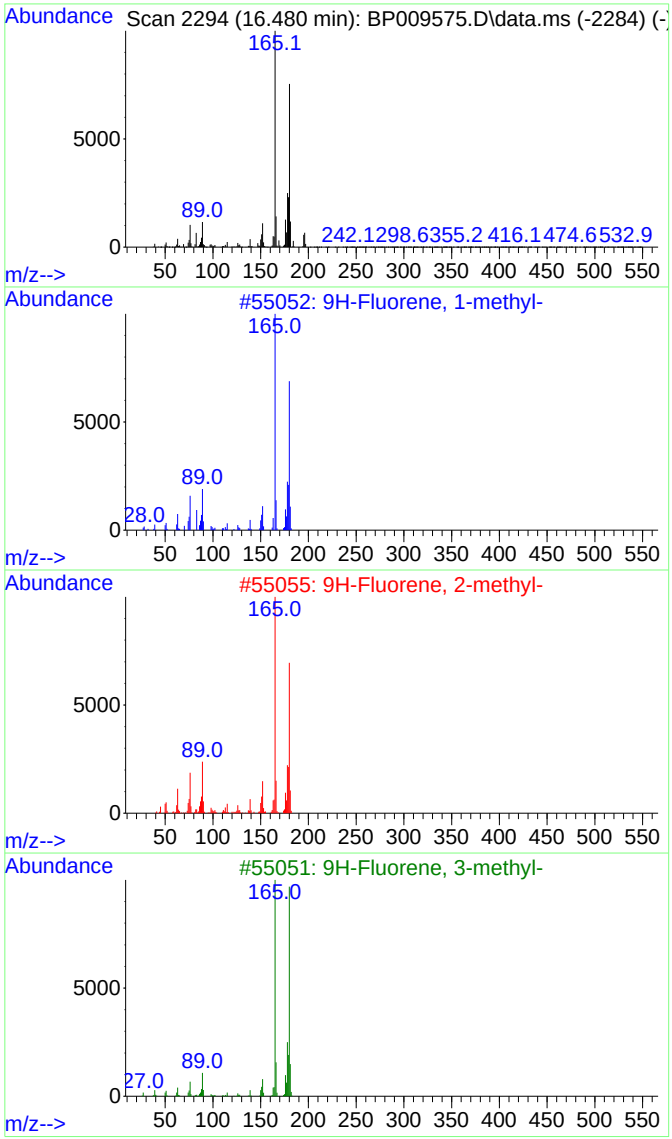
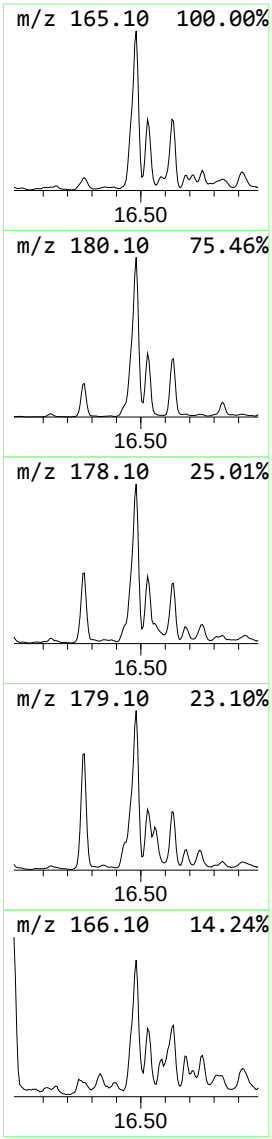
Peak Number 12 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.480	31.58 ng	5718010	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	87





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Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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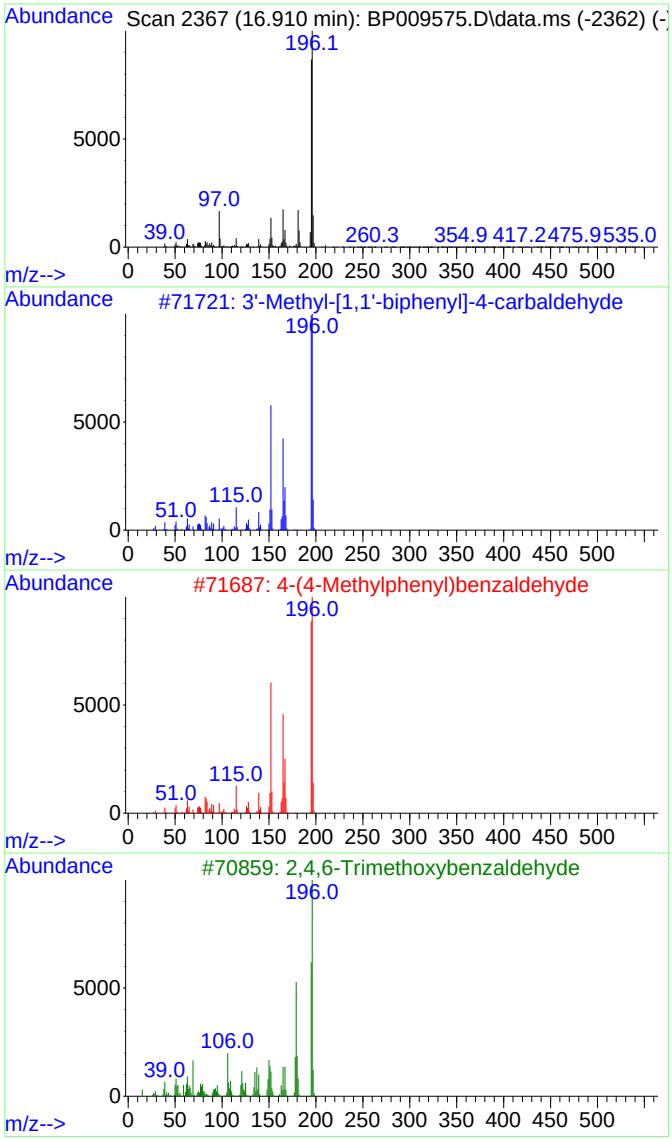
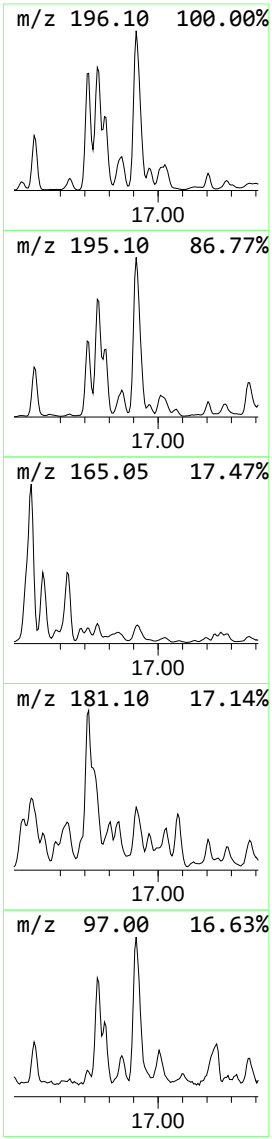
Peak Number 13 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.910	15.86 ng	2871400	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	91
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58





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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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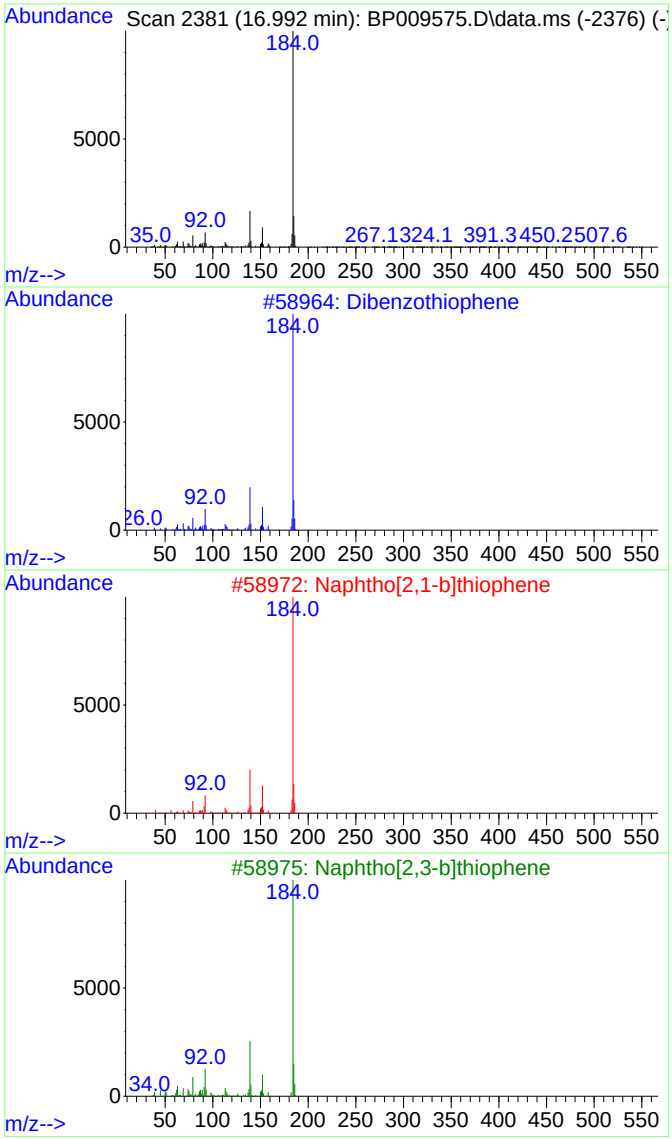
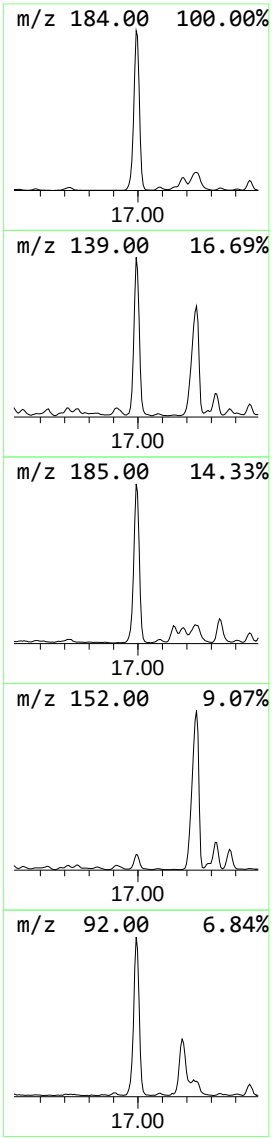
Peak Number 14 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	42.68 ng	7727040	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ALS Vial : 9 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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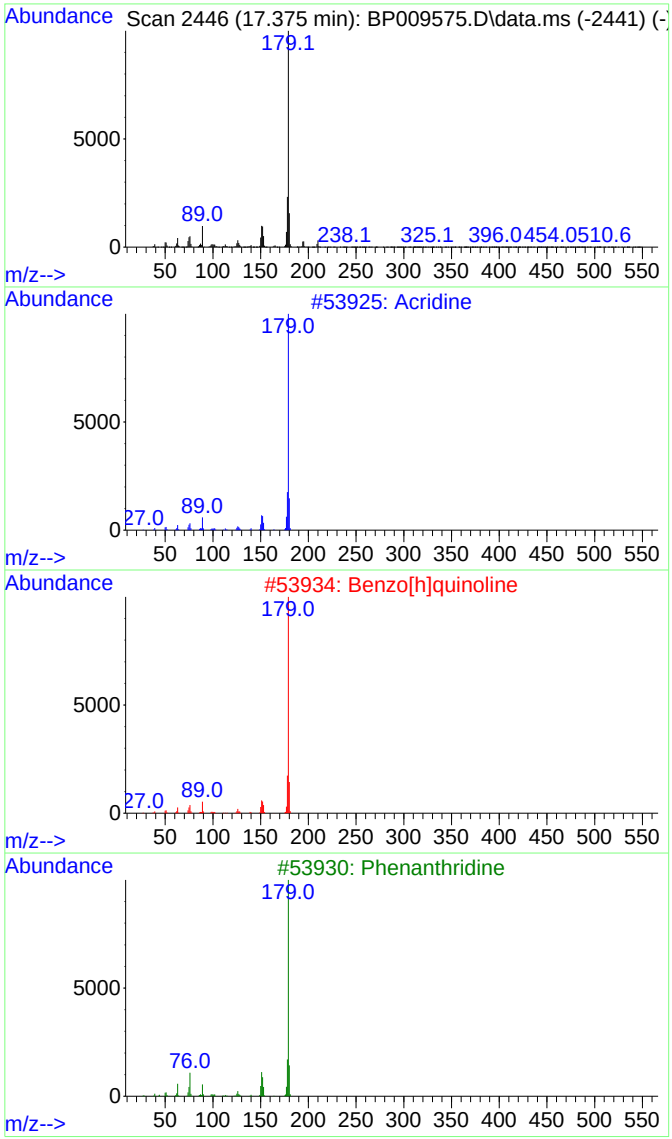
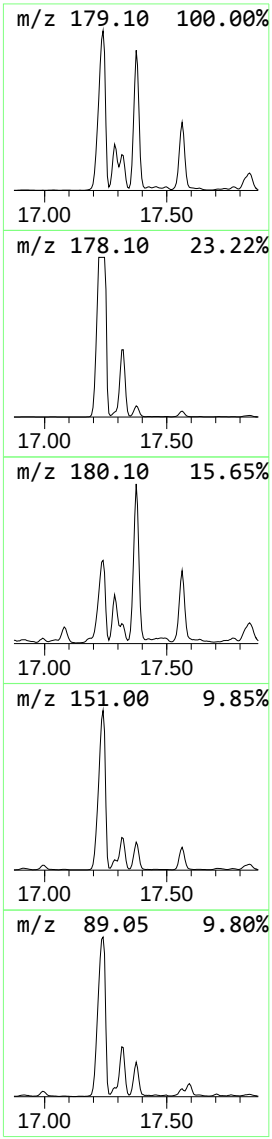
Peak Number 15 Acridine Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.375	46.11 ng	8348180	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	95
3	Phenanthridine	179	C13H9N	000229-87-8	93
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	93
5	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

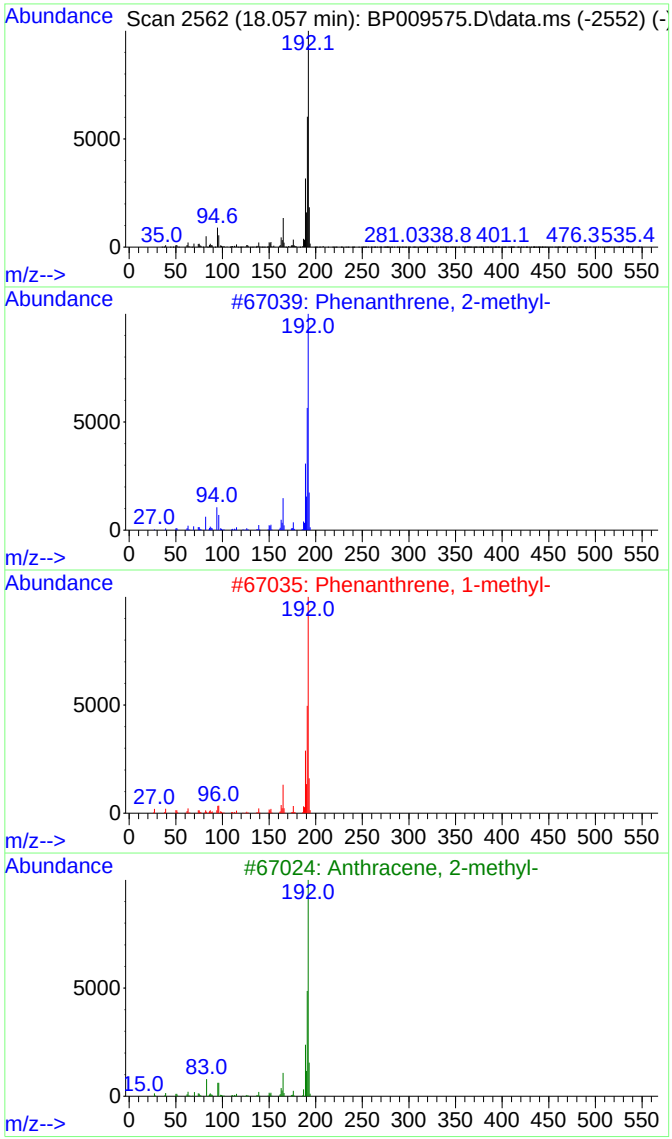
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

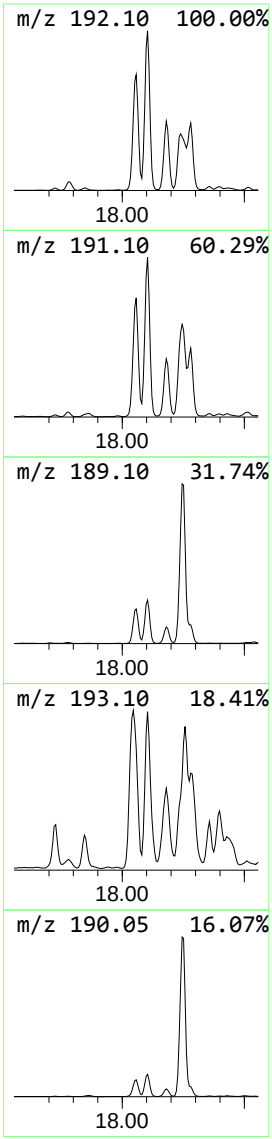
****

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.057	45.39 ng	8217920	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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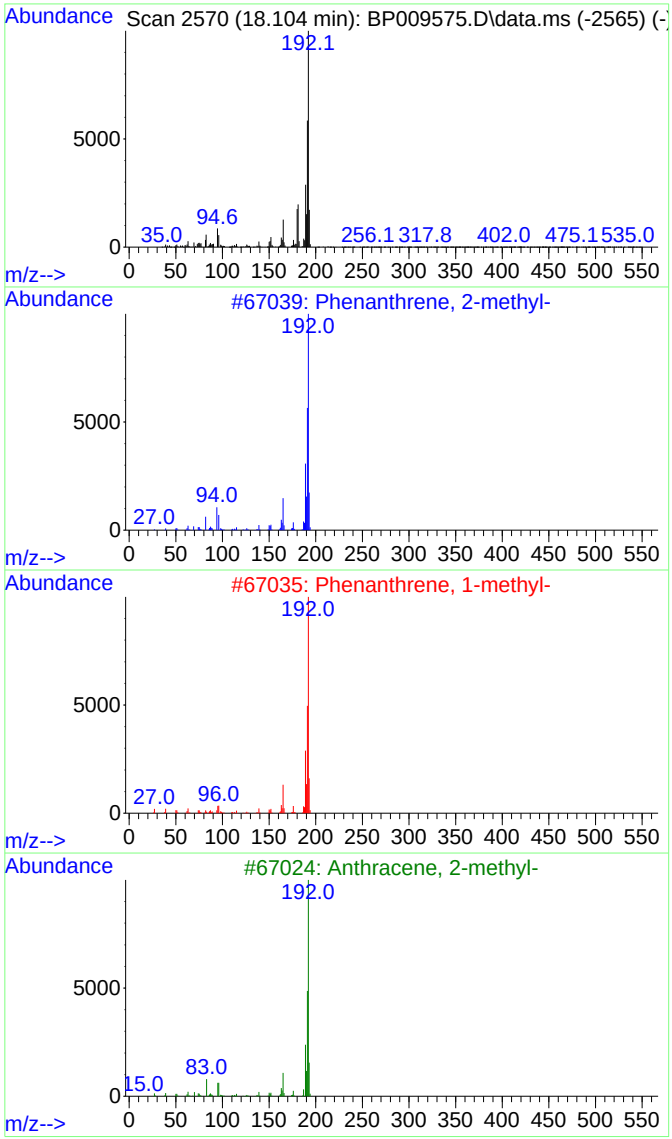
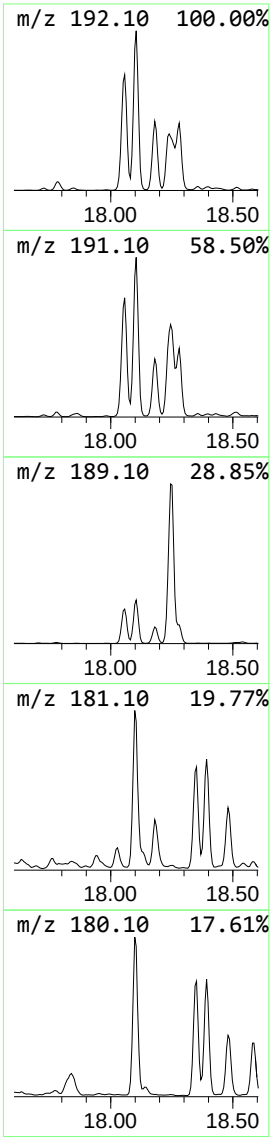
Peak Number 17 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.104	59.18 ng	10715100	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

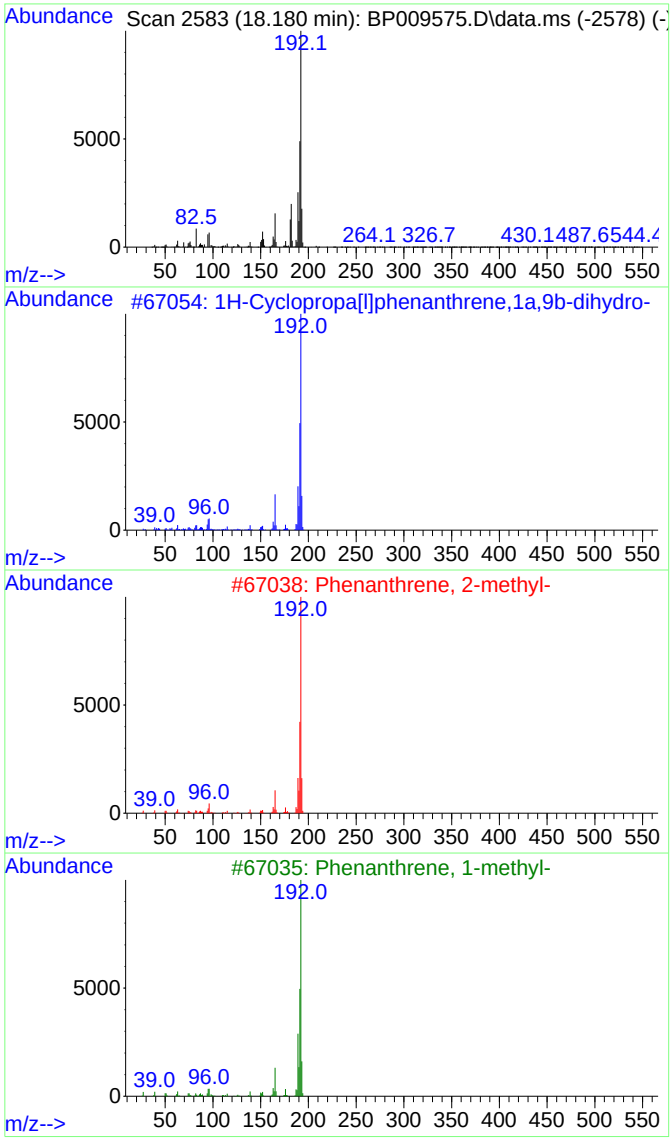
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

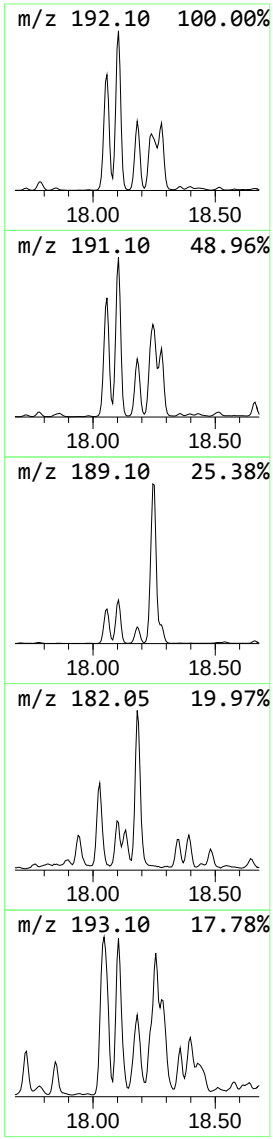
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	23.07 ng	4176740	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

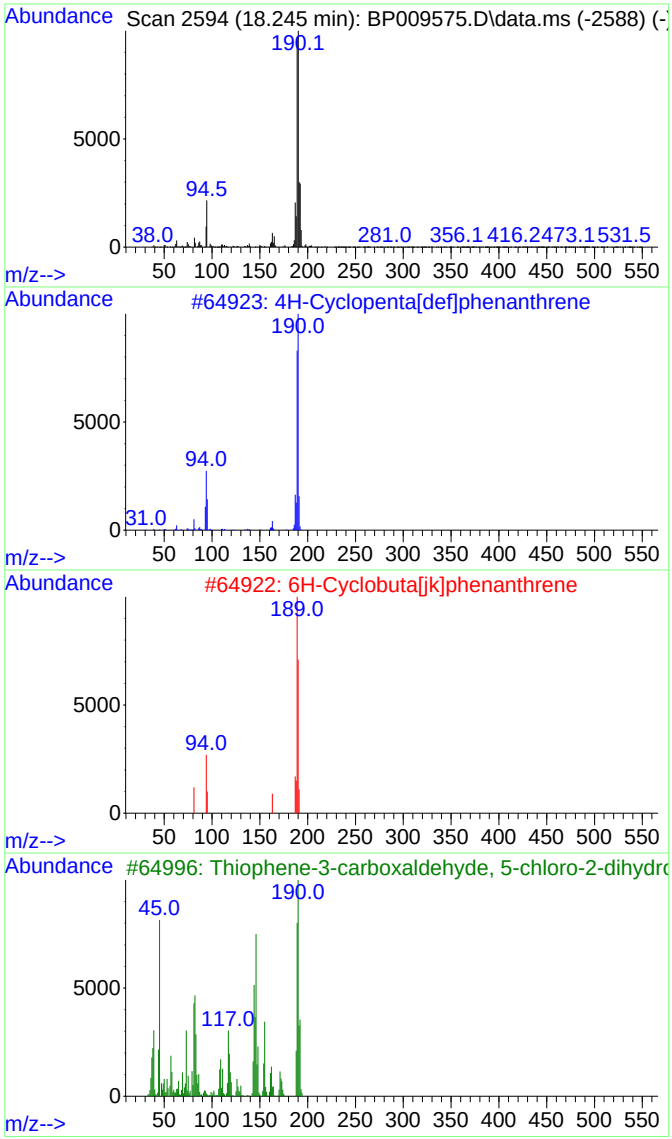
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

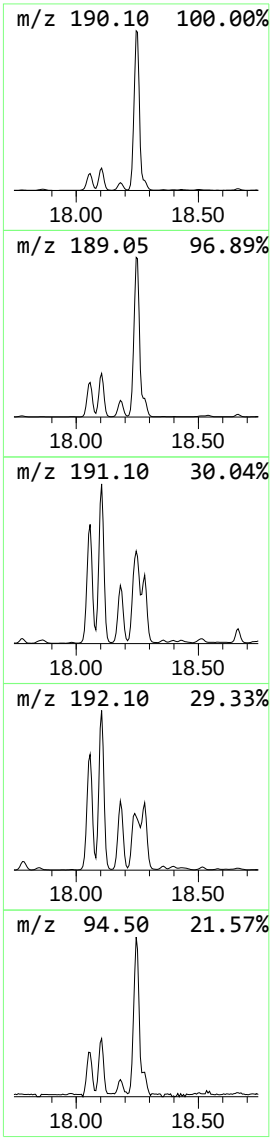
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.245	79.96 ng	14477700	Phenanthrene-d10	17.180

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	Methyl diselenide	190	C2H6Se2	007101-31-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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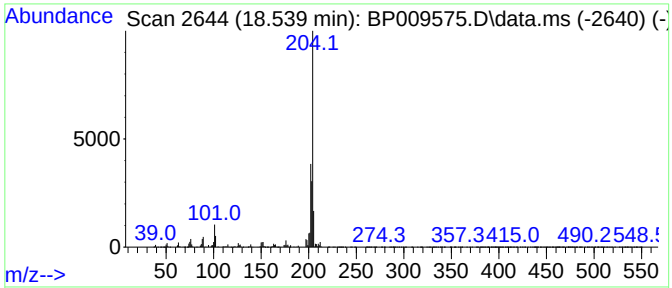
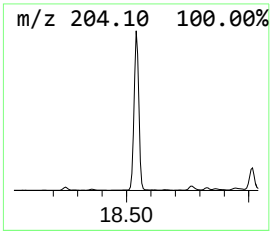
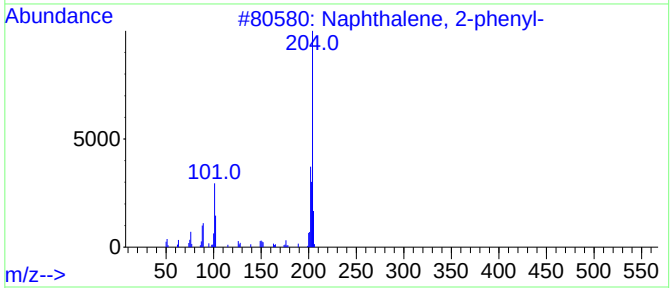
Peak Number 20 Naphthalene, 2-phenyl- Concentration Rank 16

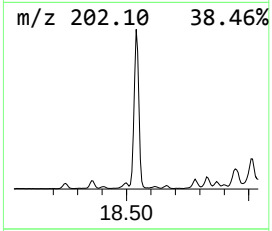
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	24.69 ng	4470310	Phenanthrene-d10	17.180

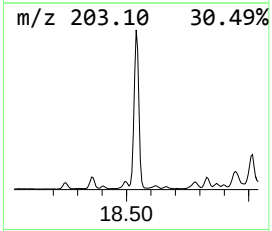
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	47
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47

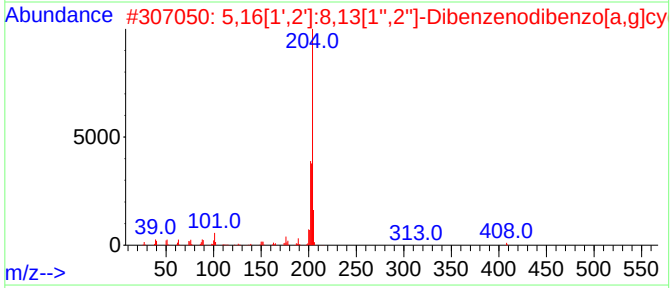


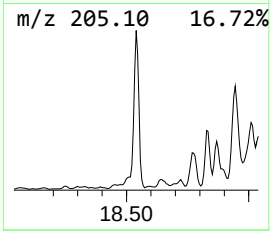


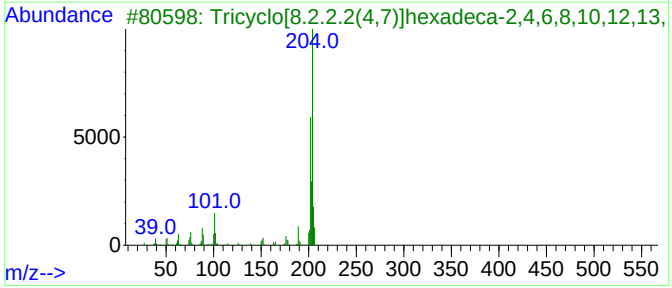


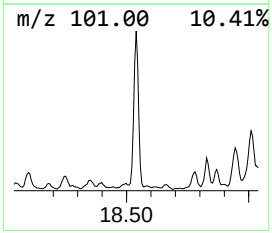












Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009575.D
Acq On : 28 Mar 2022 20:36
Operator : CG/JU
Sample : N2125-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-124030

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzo[c]thiophene	10.728	28.0	ng	3683200	2	10.557	2628690	20.0
Quinoline	11.393	54.9	ng	7216350	2	10.557	2628690	20.0
Isoquinoline	11.734	37.1	ng	4879600	2	10.557	2628690	20.0
Quinoline, 2-me...	12.351	71.9	ng	9453950	2	10.557	2628690	20.0
Naphthalene, 1-...	13.440	19.2	ng	3313160	3	14.416	3458690	20.0
Naphthalene, 1,...	13.575	27.1	ng	4693270	3	14.416	3458690	20.0
Naphthalene, 2,...	13.734	68.9	ng	11909000	3	14.416	3458690	20.0
Naphthalene, 1,...	13.787	34.0	ng	5879050	3	14.416	3458690	20.0
Quinoline, 2,7-...	13.939	16.4	ng	2838840	3	14.416	3458690	20.0
Diphenylmethane	15.634	25.2	ng	4351490	3	14.416	3458690	20.0
[1,1'-Biphenyl]...	15.763	33.4	ng	5774240	3	14.416	3458690	20.0
9H-Fluorene, 1-...	16.480	31.6	ng	5718010	4	17.180	3621080	20.0
3'-Methyl-[1,1'...	16.910	15.9	ng	2871400	4	17.180	3621080	20.0
Dibenzothiophene	16.992	42.7	ng	7727040	4	17.180	3621080	20.0
Acridine	17.375	46.1	ng	8348180	4	17.180	3621080	20.0
Phenanthrene, 2...	18.057	45.4	ng	8217920	4	17.180	3621080	20.0
Phenanthrene, 1...	18.104	59.2	ng	10715100	4	17.180	3621080	20.0
1H-Cyclopropa[l...	18.180	23.1	ng	4176740	4	17.180	3621080	20.0
4H-Cyclopenta[d...	18.245	80.0	ng	14477700	4	17.180	3621080	20.0
Naphthalene, 2-...	18.539	24.7	ng	4470310	4	17.180	3621080	20.0