LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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: BP009526.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.317	389	396	404	rBV	1589864	2637968	9.01%	0.560%
2	5.399	404	410	415	rVV	531233	960084	3.28%	0.204%
3	6.981	675	679	694	rVB	465273	1151949	3.93%	0.244%
4	7.440	751	757	767	rVB	615432	1109905	3.79%	0.235%
5	7.787	809	816	829	rBV	1652789	3220897	11.00%	0.683%
6	8.163	873	880	888	rVB	1757413	3077280	10.51%	0.653%
7	8.281	894	900	904	rBV	464885	847454	2.89%	0.180%
8	8.322	904	907	916	rVB	680262	1241864	4.24%	0.263%
9	8.434	920	926	932	rBV	545676	955427	3.26%	0.203%
10	8.893	999	1004	1009	rBV	675716	1108776	3.79%	0.235%
11	8.969	1009	1017	1028	rVB2	433307	1274440	4.35%	0.270%
12	9.834	1159	1164	1176	rVB	737956	1409099	4.81%	0.299%
13	9.993	1184	1191	1200	rBV3	665060	1892503	6.46%	0.401%
14	10.087	1200	1207	1217	rVV3	385930	1275899	4.36%	0.271%
15	10.581	1280	1291	1295	rBV	2151207	4582980	15.65%	0.972%
16	10.634	1295	1300	1309	rVB	10349568	19466490	66.47%	4.129%
17	11.634	1463	1470	1474	rBV2	415564	858485	2.93%	0.182%
18	11.781	1490	1495	1508	rVB3	412338	995483	3.40%	0.211%
19	12.146	1552	1557	1565	rVB2	431673	864754	2.95%	0.183%
20	12.251	1567	1575	1585	rVB	2196697	3872505	13.22%	0.821%
21	12.469	1600	1612	1623	rBV	9430592	17717775	60.50%	3.758%
22	13.051	1705	1711	1717	rVV	929963	1526080	5.21%	0.324%
23	13.263	1742	1747	1755	rVB2	652902	1082187	3.70%	0.230%
24	13.463	1775	1781	1793	rVB	3068442	6898909	23.56%	1.463%
25	13.610	1794	1806	1813	rBV3	3591576	9709339	33.16%	2.059%
26	13.757	1823	1831	1836	rBV	5295183	10041105	34.29%	2.130%
27	13.810	1836	1840	1850	rVB	2897672	4852829	16.57%	1.029%
28	13.993	1864	1871	1875	rBV	2443470	4345799	14.84%	0.922%
29	14.157	1889	1899	1913	rVB2	2407264	4465493	15.25%	0.947%
30	14.434	1936	1946	1951	rBV3	2932404	6252387	21.35%	1.326%
31	14.498	1951	1957	1966	rVV	10353245	18071439	61.71%	3.833%
32	14.645	1976	1982	1992	rBV	1796240	4446924	15.19%	0.943%
33	14.734	1992	1997	2003	rBV4	563188	1057891	3.61%	0.224%
34	14.834	2004	2014	2022	rVB2	2077867	4598408	15.70%	0.975%
35	14.916	2022	2028	2034	rVB	1429013	2187874	7.47%	0.464%
36	15.057	2044	2052	2057	rBV2	1151218	2317372	7.91%	0.492%

LSC Area Percent Report

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Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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	15.110	2057	2061	2065	rVB	893831	1165107	3.98%	0.247%
38	15.228	2073	2081	2085	rBV	864634	2182767	7.45%	0.463%
39	15.404	2102	2111	2114	rBV5	420342	1295127	4.42%	0.275%
40	15.487	2119	2125	2131	rBV	4674756	7471192	25.51%	1.585%
41	15.587	2137	2142	2144	rBV2	1383363	2200664	7.51%	0.467%
42	15.616	2144	2147	2150	rVV2	1587715	2360002	8.06%	0.501%
43	15.651	2150	2153	2157	rVV3	1158603	1780403	6.08%	0.378%
44	15.698	2157	2161	2165	rVV3	1457926	2558790	8.74%	0.543%
45	15.739	2165	2168	2171	rVV	850540	1330728	4.54%	0.282%
46	15.787	2171	2176	2187	rVB3	898024	2343995	8.00%	0.497%
47	15.904	2191	2196	2198	rVV	810528	1286129	4.39%	0.273%
48	15.934	2198	2201	2209	rVV2	1135221	2175279	7.43%	0.461%
49	16.169	2237	2241	2251	rVB4	538067	1243573	4.25%	0.264%
50	16.498	2290	2297	2302	rBV2	1187998	2594399	8.86%	0.550%
51	16.551	2302	2306	2312	rVB2	827998	1264349	4.32%	0.268%
52	16.651	2318	2323	2328	rVB	737610	1253370	4.28%	0.266%
53	16.857	2354	2358	2365	rVB2	588034	986667	3.37%	0.209%
54	17.016	2379	2385	2394	rVB	2642643	4564472	15.59%	0.968%
55	17.198	2410	2416	2419	rBV	2617498	4240966	14.48%	0.900%
56	17.245	2419	2424	2430	rVV	16526644	25956534	88.64%	5.506%
57	17.334	2433	2439	2445	rVV	5790685	8582487	29.31%	1.820%
58	17.398	2445	2450	2455	rVV3	501187	954571	3.26%	0.202%
59	17.722	2501	2505	2510	rBV	607898	806708	2.75%	0.171%
60	17.781	2511	2515	2525	rVB2	1119157	1829524	6.25%	0.388%
61	17.922	2534	2539	2546	rVB	895089	1762911	6.02%	0.374%
62	18.075	2559	2565	2569	rVV	3460159	5596705	19.11%	1.187%
63	18.122	2569	2573	2580	rVB	3801262	5587610	19.08%	1.185%
64	18.198	2581	2586	2591	rVV	1877037	2814645	9.61%	0.597%
65	18.263	2591	2597	2601	rVV2	4832051	9140870	31.21%	1.939%
66	18.298	2601	2603	2611	rVB	2307994	2727004	9.31%	0.578%
67	18.557	2642	2647	2652	rBV	2110430	2904439	9.92%	0.616%
68	18.798	2680	2688	2693	rBV3	834225	1619923	5.53%	0.344%
69	18.886	2700	2703	2707	rVB2	600433	803651	2.74%	0.170%
70	18.963	2711	2716	2721	rBV	1888207	3230935	11.03%	0.685%
71	19.028	2722	2727	2730	rBV2	833747	1327997	4.53%	0.282%
72	19.104	2736	2740	2742	rBV	494466	805547	2.75%	0.171%
73	19.228	2755	2761	2766	rBV	16028536	22974667	78.45%	4.873%
74	19.280	2766	2770	2774	rVV2	2278124	3107943	10.61%	0.659%
75	19.369	2781	2785	2790	rVV	1790872	2405031	8.21%	0.510%
76	19.457	2796	2800	2804	rBV	870418	1538596	5.25%	0.326%

LSC Area Percent Report

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Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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	19.580	2811	2821	2829	rBV	16134357	29284387	100.00%	6.211%
78	19.651	2829	2833	2839	rVB2	904900	1586452	5.42%	0.337%
79	19.775	2846	2854	2858	rBV2	1274012	2570731	8.78%	0.545%
80	19.898	2869	2875	2882	rBV2	1318534	3146385	10.74%	0.667%
81	20.063	2899	2903	2908	rVB	3650330	5346580	18.26%	1.134%
82	20.163	2915	2920	2924	rBV	3562942	4679324	15.98%	0.993%
83	20.222	2925	2930	2934	rVV2	1740233	2625929	8.97%	0.557%
84	20.357	2949	2953	2957	rBV2	1044254	1385995	4.73%	0.294%
85	20.404	2957	2961	2965	rVB	1477868	2018330	6.89%	0.428%
86	20.763	3019	3022	3026	rBV2	495174	818253	2.79%	0.174%
87	20.963	3053	3056	3059	rBV	1234139	1462797	5.00%	0.310%
88	20.998	3059	3062	3066	rVV	1383270	1672790	5.71%	0.355%
89	21.039	3066	3069	3074	rBV2	1313433	2112387	7.21%	0.448%
90	21.304	3108	3114	3119	rBV2	11156954	20636532	70.47%	4.377%
91	21.351	3119	3122	3132	rVB	8579118	12244521	41.81%	2.597%
92	21.474	3139	3143	3150	rVB2	2448597	3899703	13.32%	0.827%
93	21.892	3211	3214	3219	rVB	1604417	2148363	7.34%	0.456%
94	22.992	3395	3401	3407	rBV	6326692	17191147	58.70%	3.646%
95	23.180	3428	3433	3441	rVB	1944997	3554225	12.14%	0.754%
96	23.516	3484	3490	3499	rVB	4529734	9679761	33.05%	2.053%
97	23.621	3501	3508	3515	rBV	7475531	16177464	55.24%	3.431%
98	23.721	3521	3525	3530	rBV2	1622683	2822573	9.64%	0.599%
99	26.239	3945	3953	3964	rVB2	3533551	11492684	39.25%	2.438%
100	27.004	4076	4083	4105	rVB2	2747459	9744785	33.28%	2.067%

Sum of corrected areas: 471454428

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
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Acq On : 24 Mar 2022 02:30
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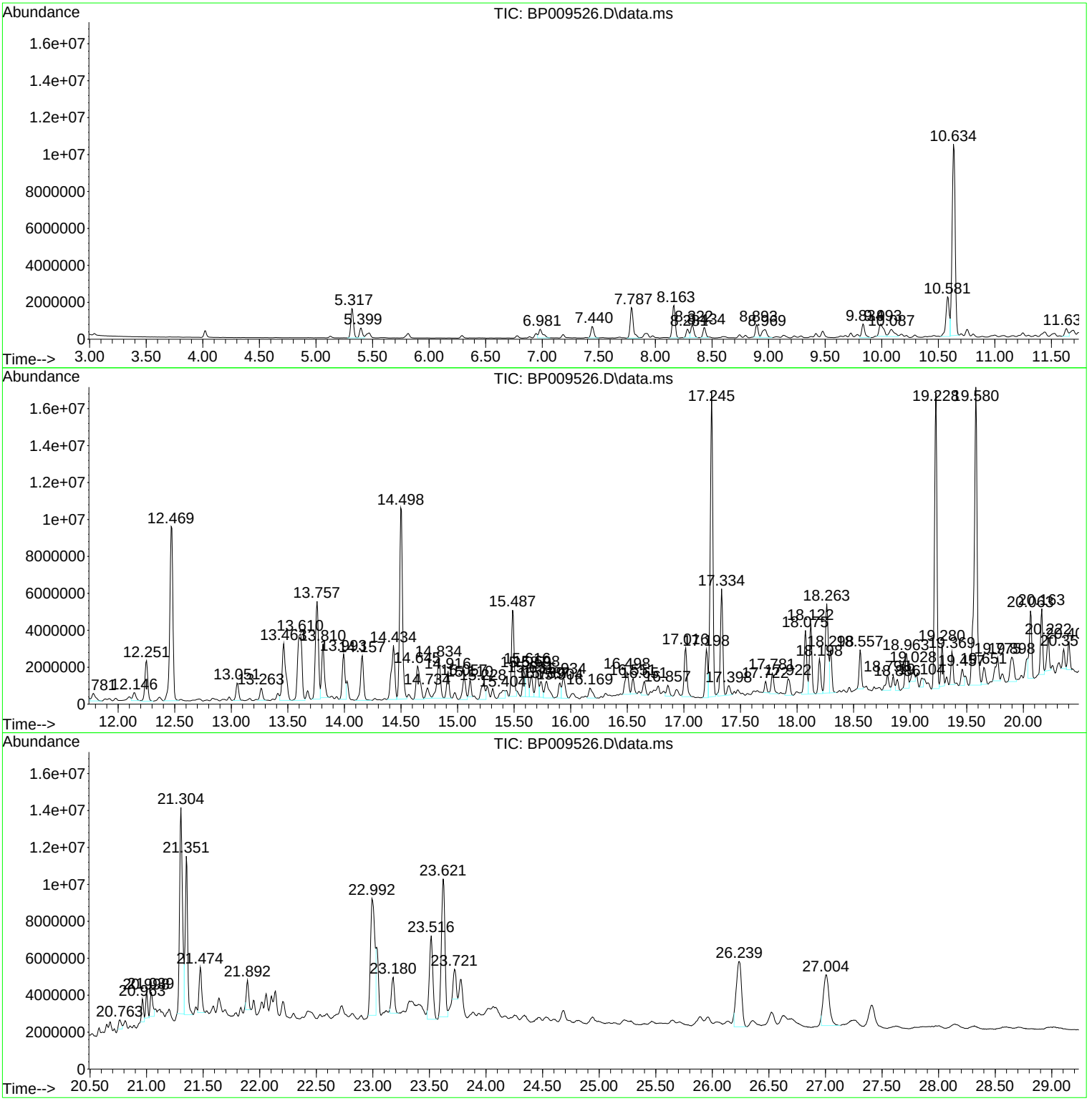
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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

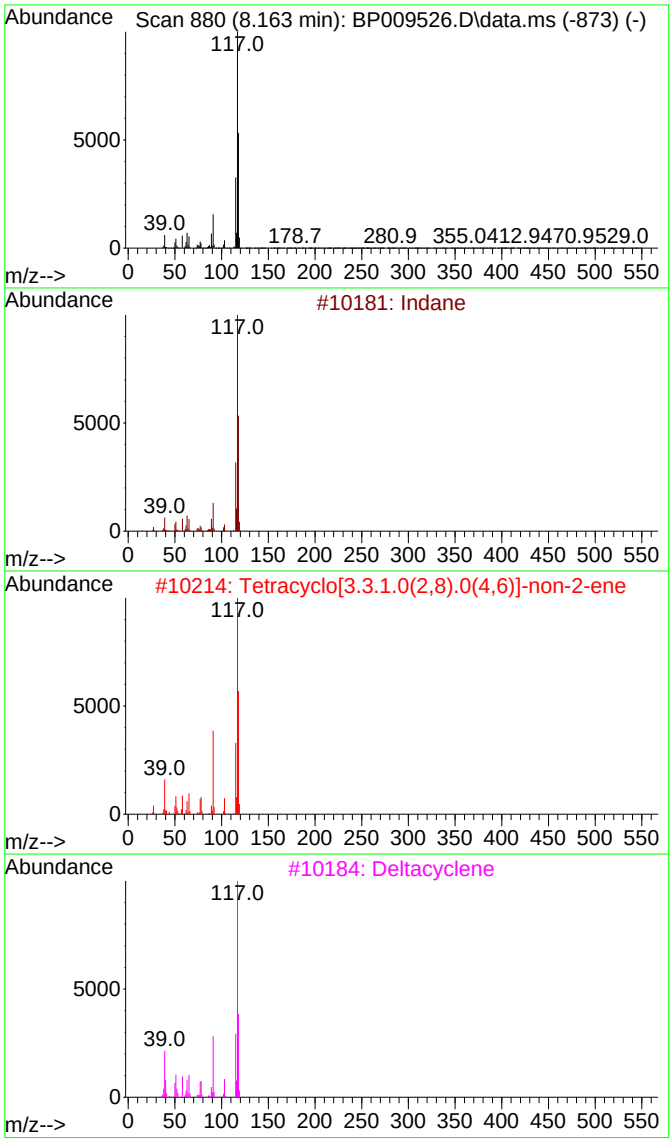
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

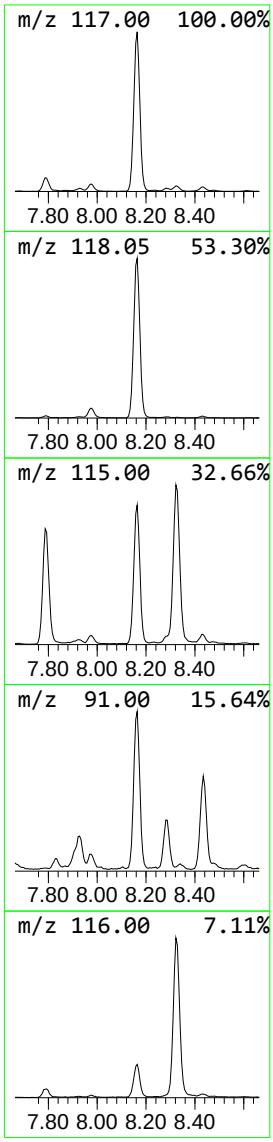
****

Peak Number 2 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.163	19.11 ng	3077280	1,4-Dichlorobenzene-d4	7.793

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	83
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
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Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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

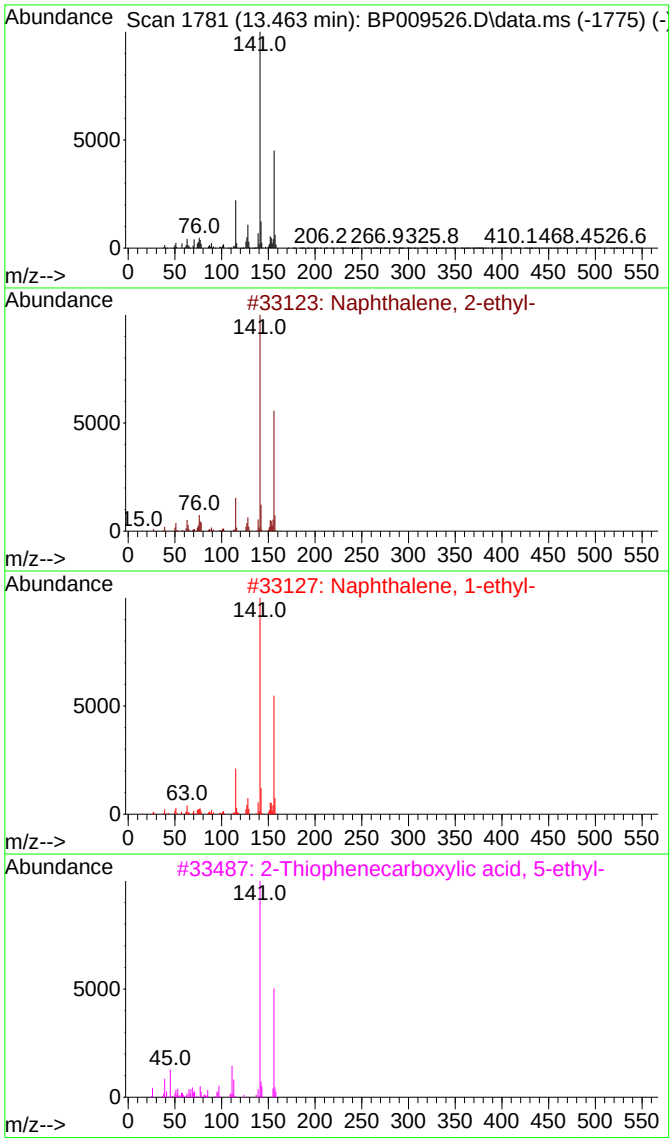
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

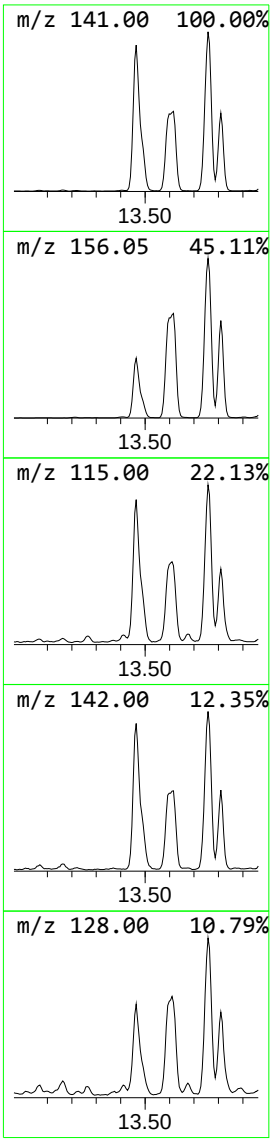
****

Peak Number 3 Naphthalene, 2-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.463	22.07 ng	6898910	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4	Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	53
5	7-Methyl-trans-8-thiabicyclo[4.3...	156	C9H16S	060133-10-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
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Instrument :
BNA_P
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SB-12-20220315-16.0-17.0

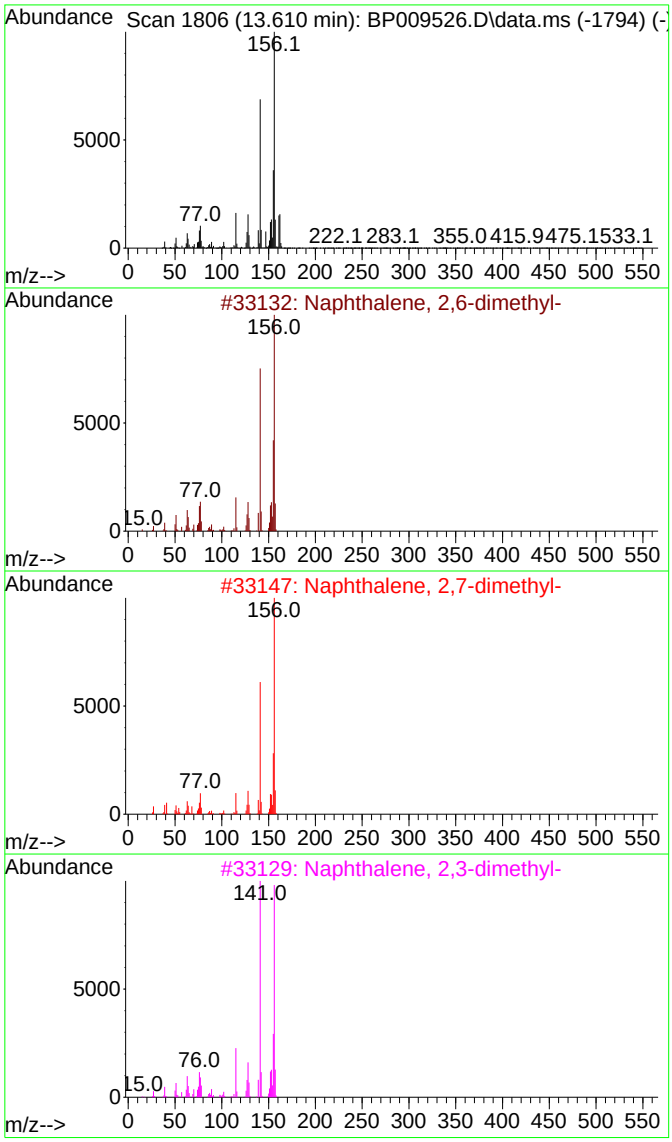
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

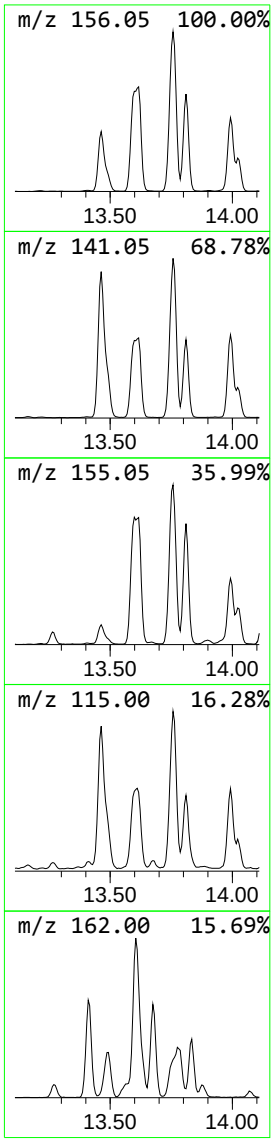
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.610	31.06 ng	9709340	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

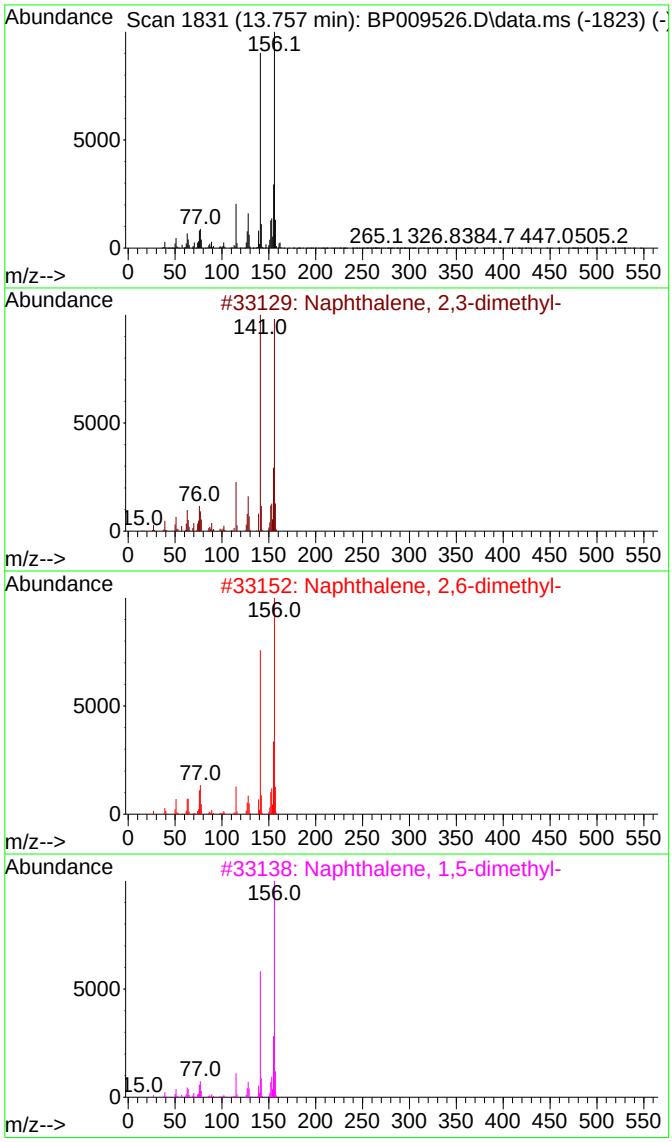
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

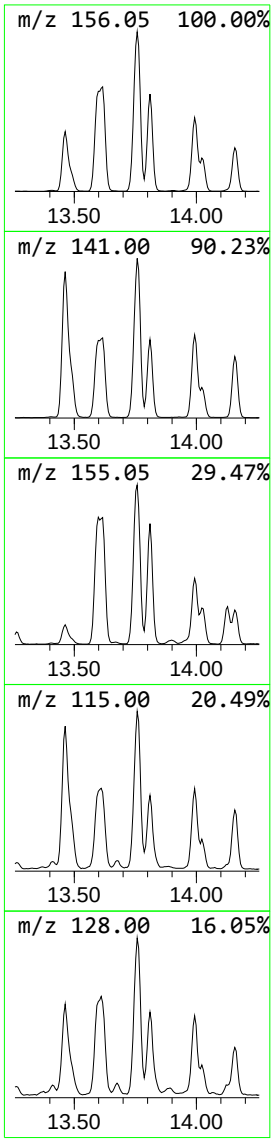
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	32.12 ng	10041100	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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

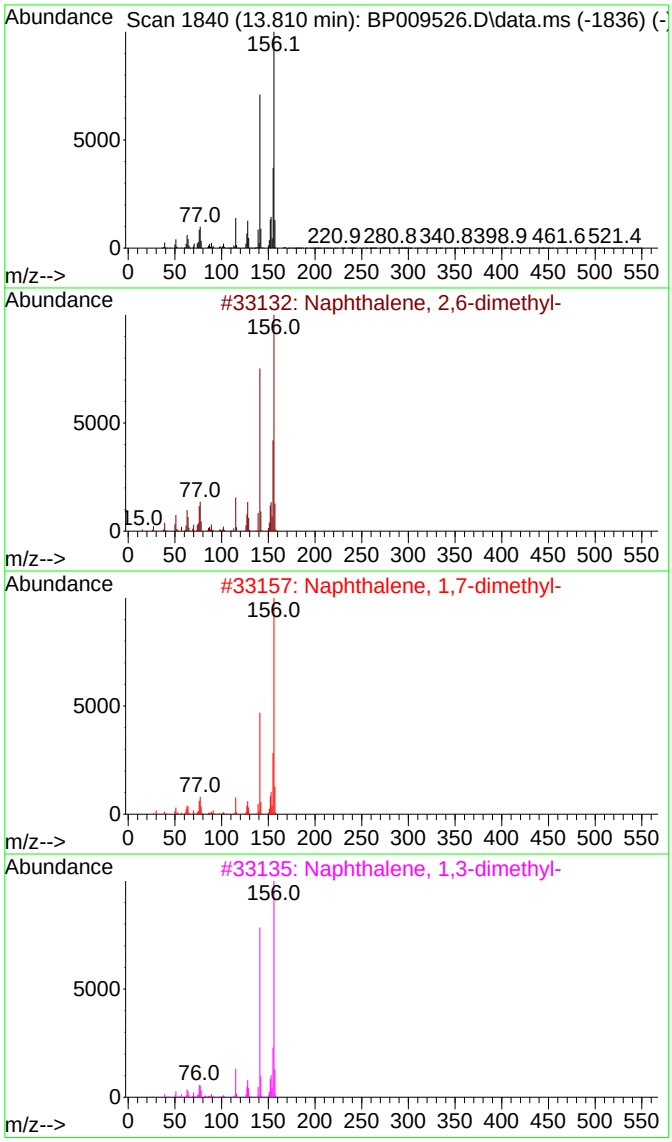
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

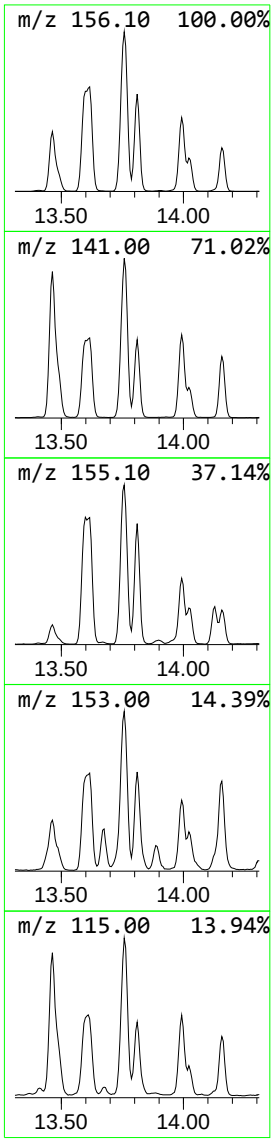
****

Peak Number 6 Naphthalene, 1,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	15.52 ng	4852830	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

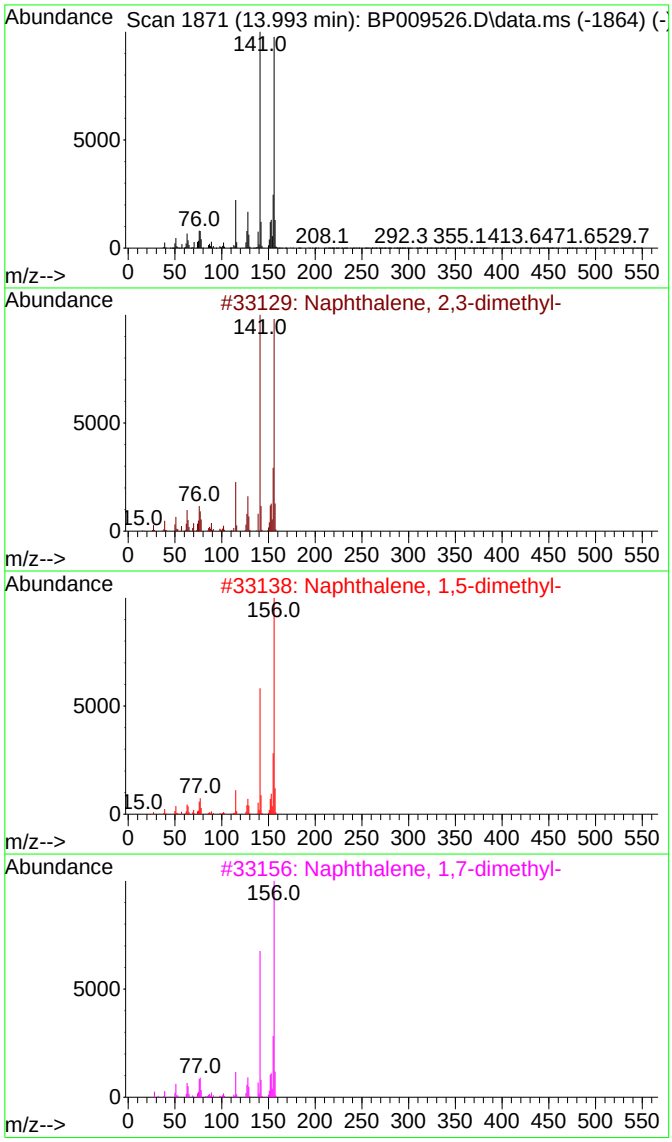
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

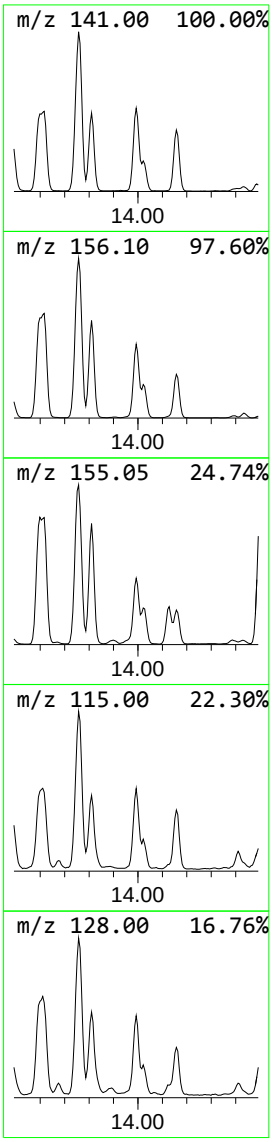
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.993	13.90 ng	4345800	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





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Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

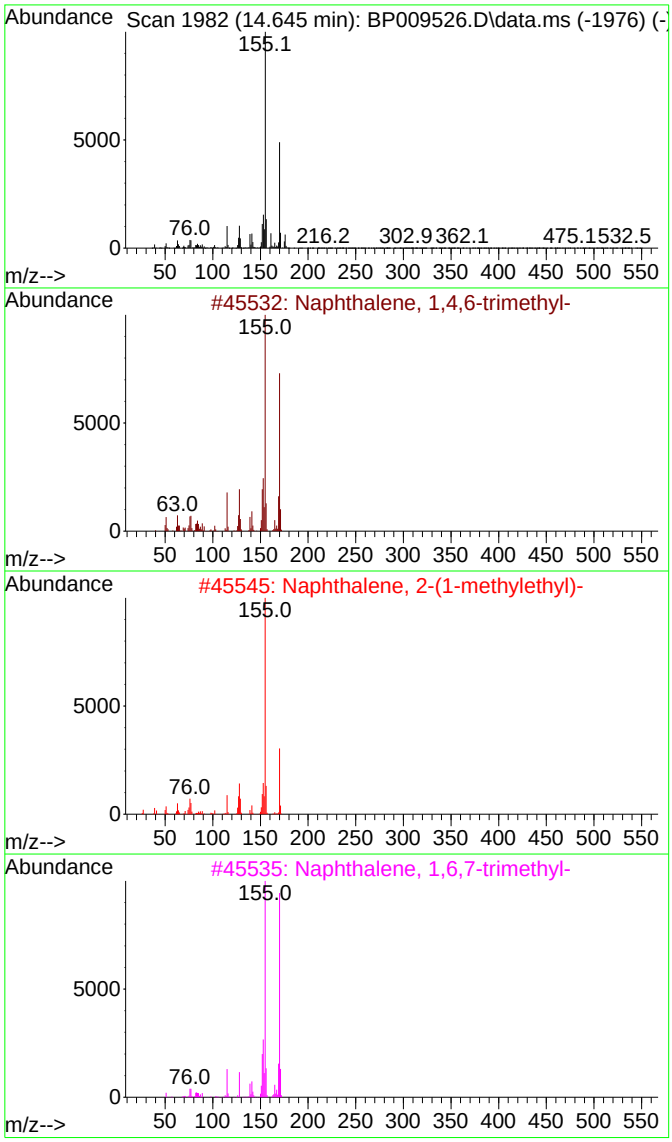
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

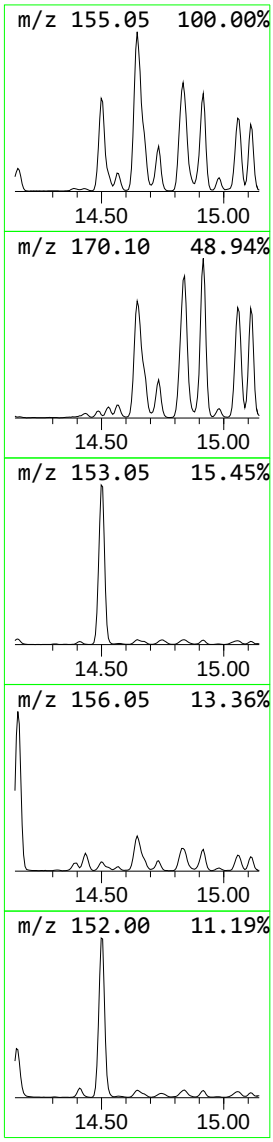
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	14.22 ng	4446920	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4	Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72





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Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

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

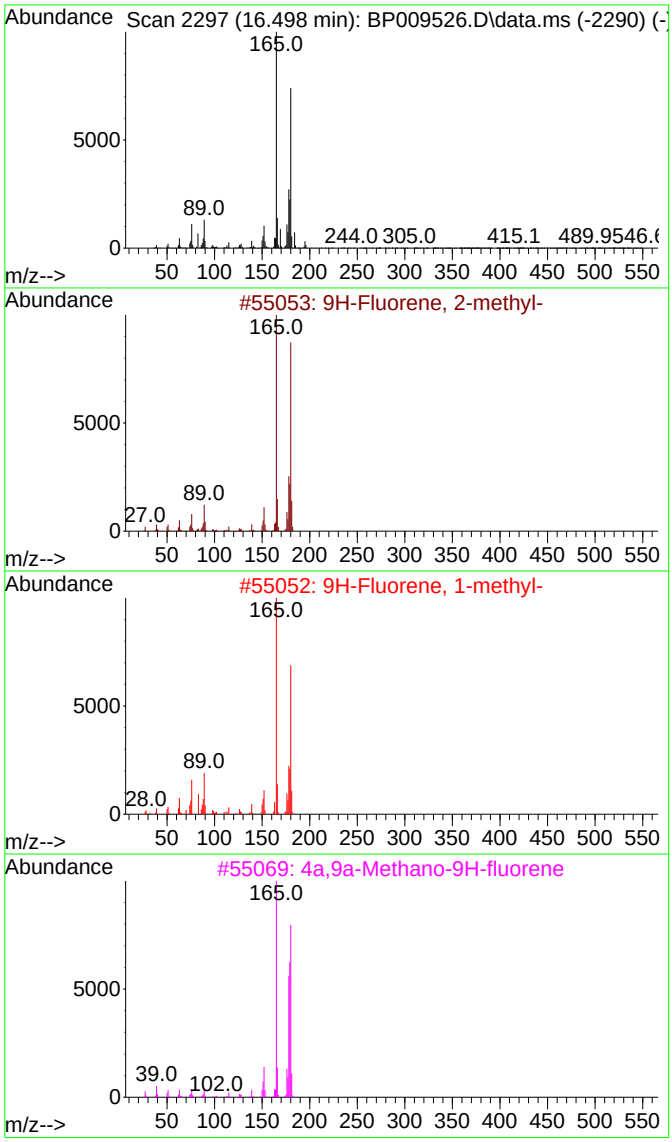
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

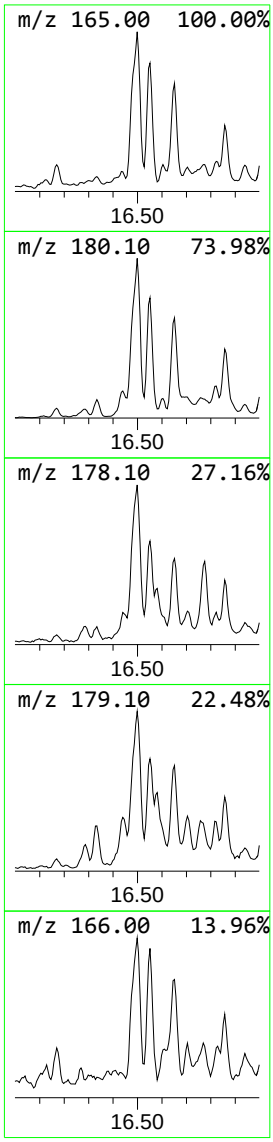
****

Peak Number 9 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	12.23 ng	2594400	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	81
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Acq On : 24 Mar 2022 02:30
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Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

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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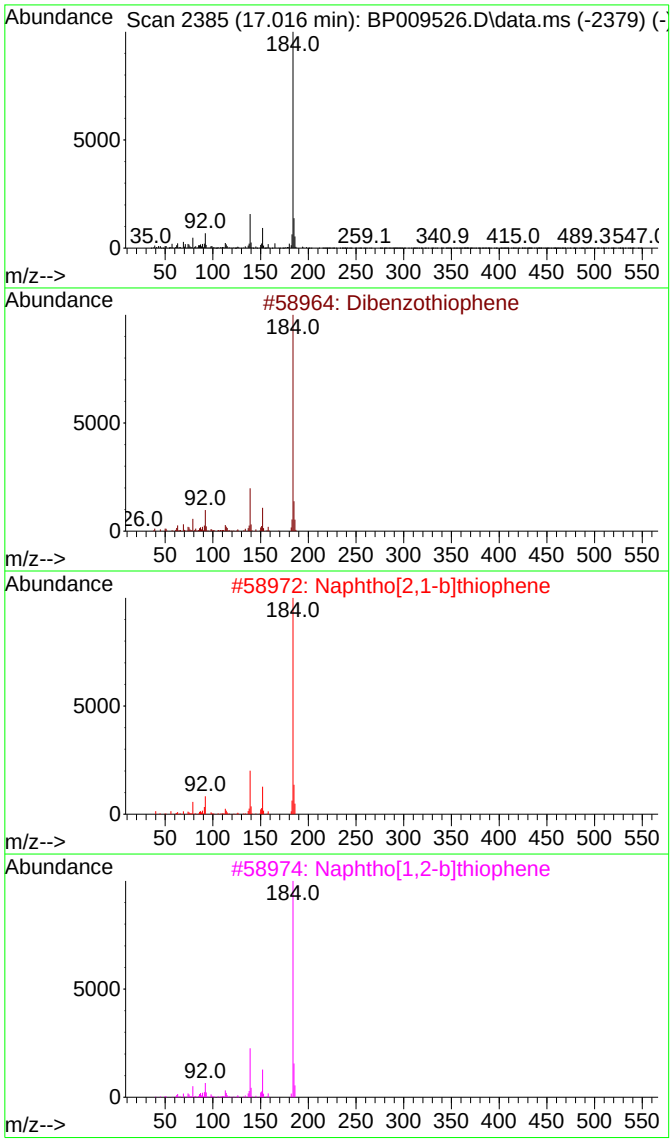
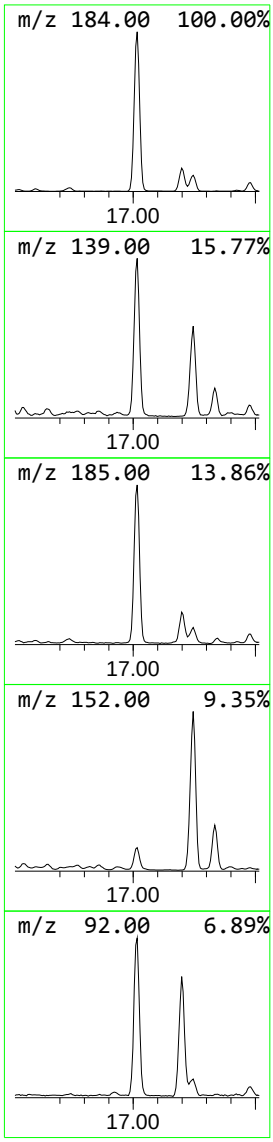
Peak Number 10 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.016	21.53 ng	4564470	Phenanthrene-d10	17.198

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[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

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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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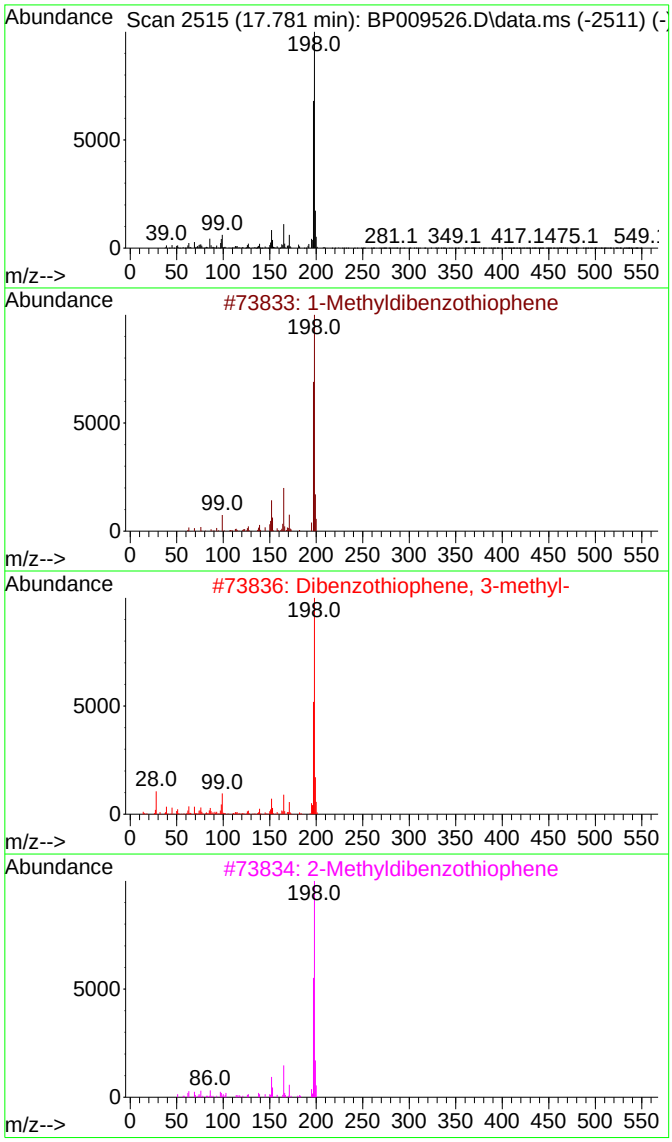
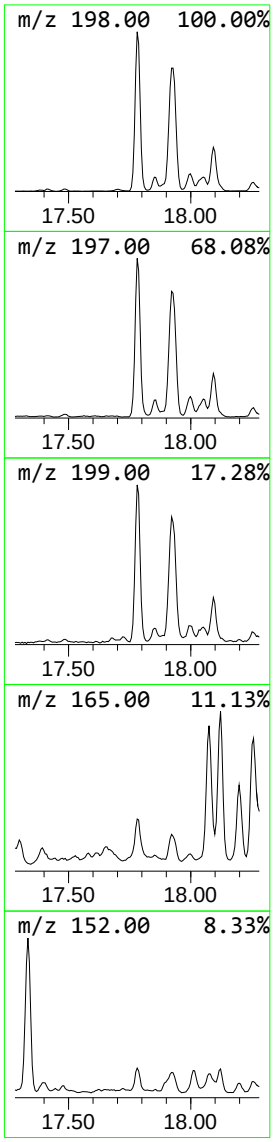
Peak Number 11 1-Methyldibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.781	8.63 ng	1829520	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	90
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	80





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Sample : N1977-01 10X
Misc :
ALS Vial : 18 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

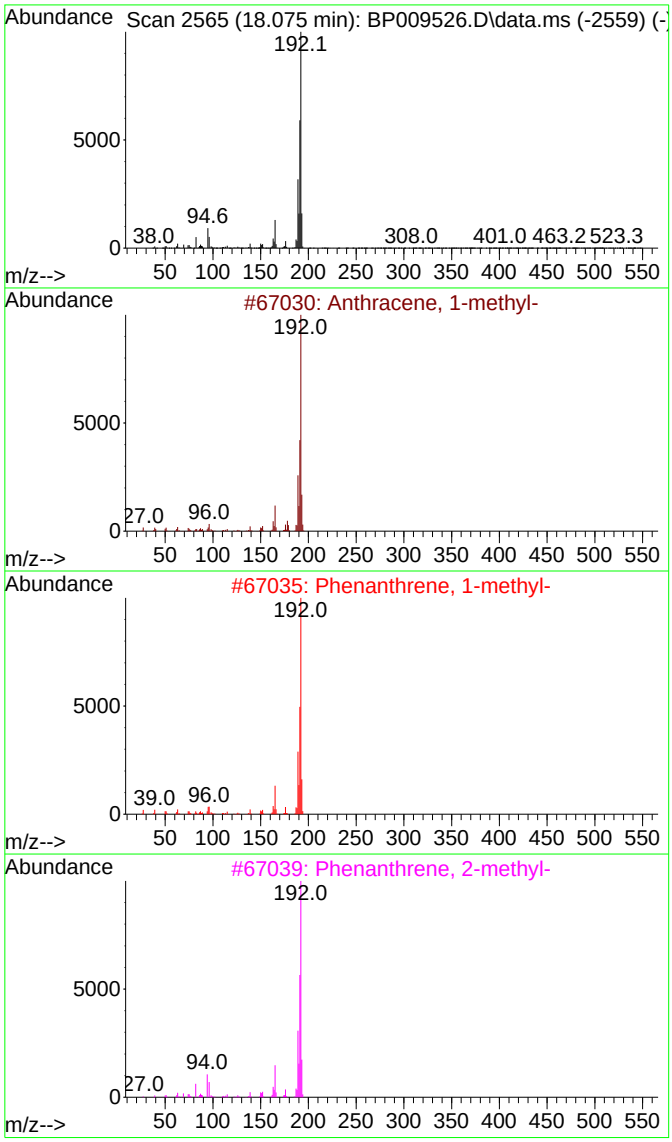
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

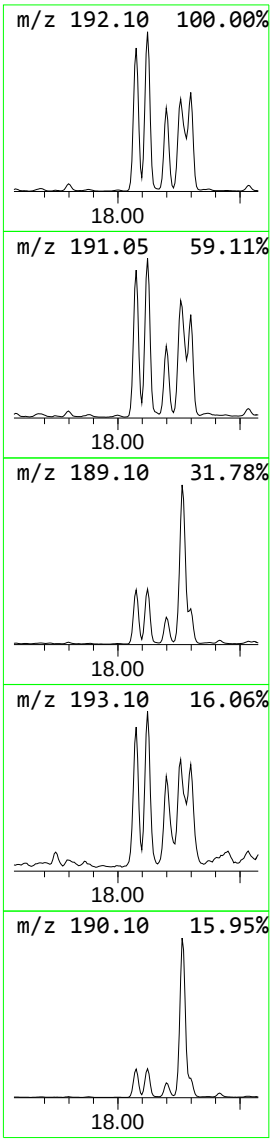
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.075	26.39 ng	5596710	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

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

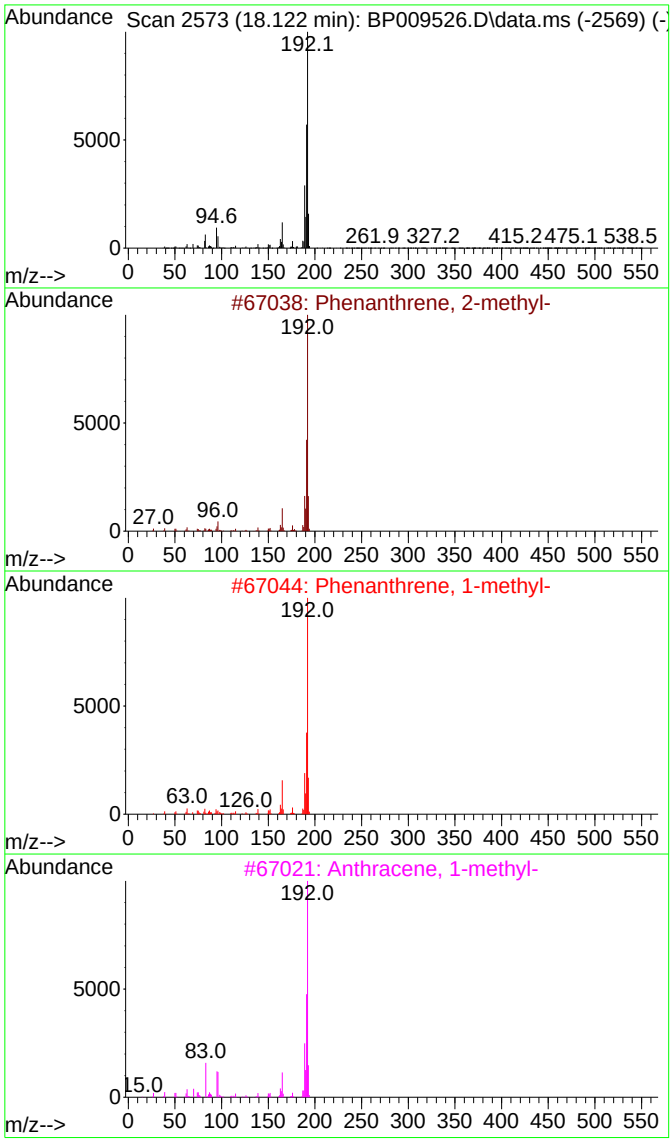
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

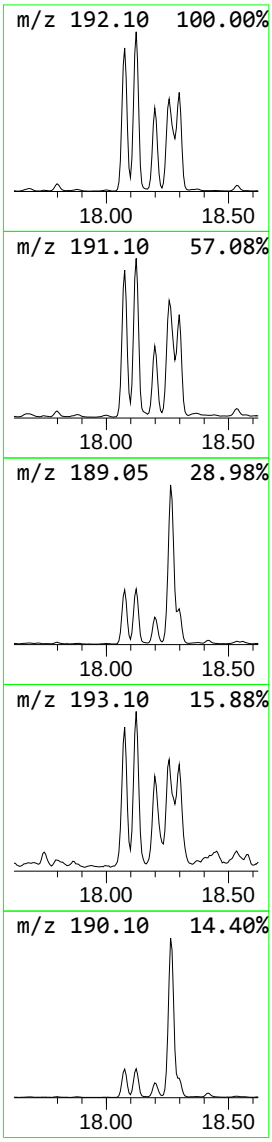
****

Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.122	26.35 ng	5587610	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

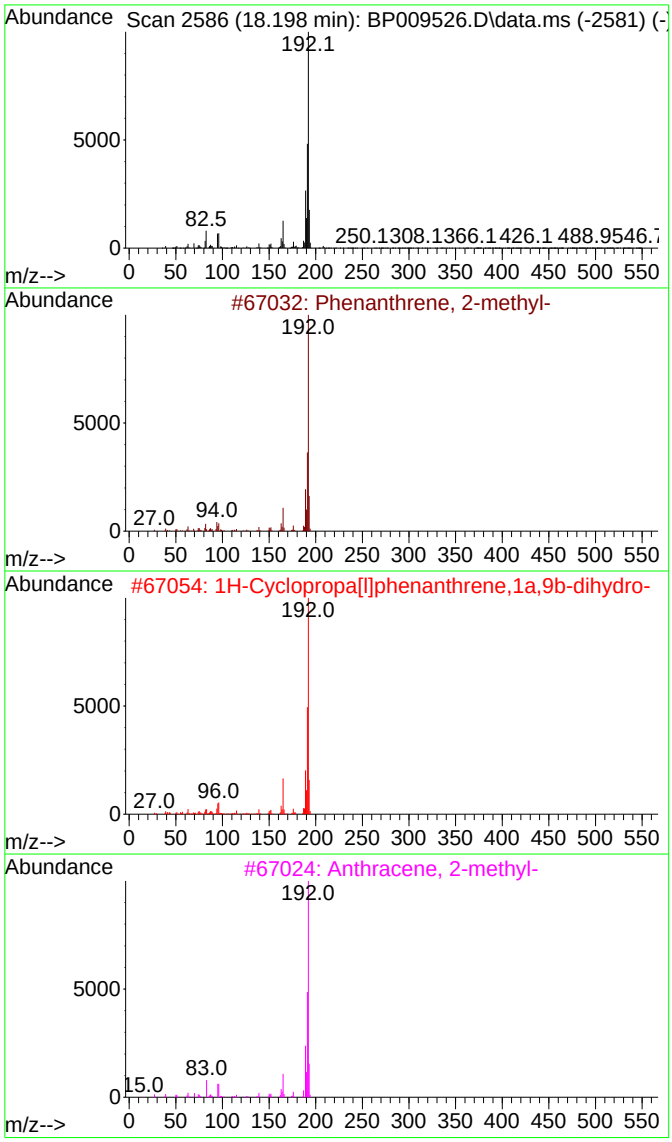
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

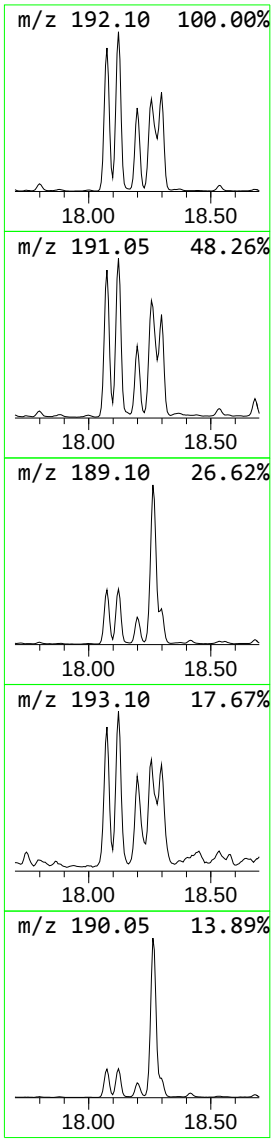
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.198	13.27 ng	2814650	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





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Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-12-20220315-16.0-17.0

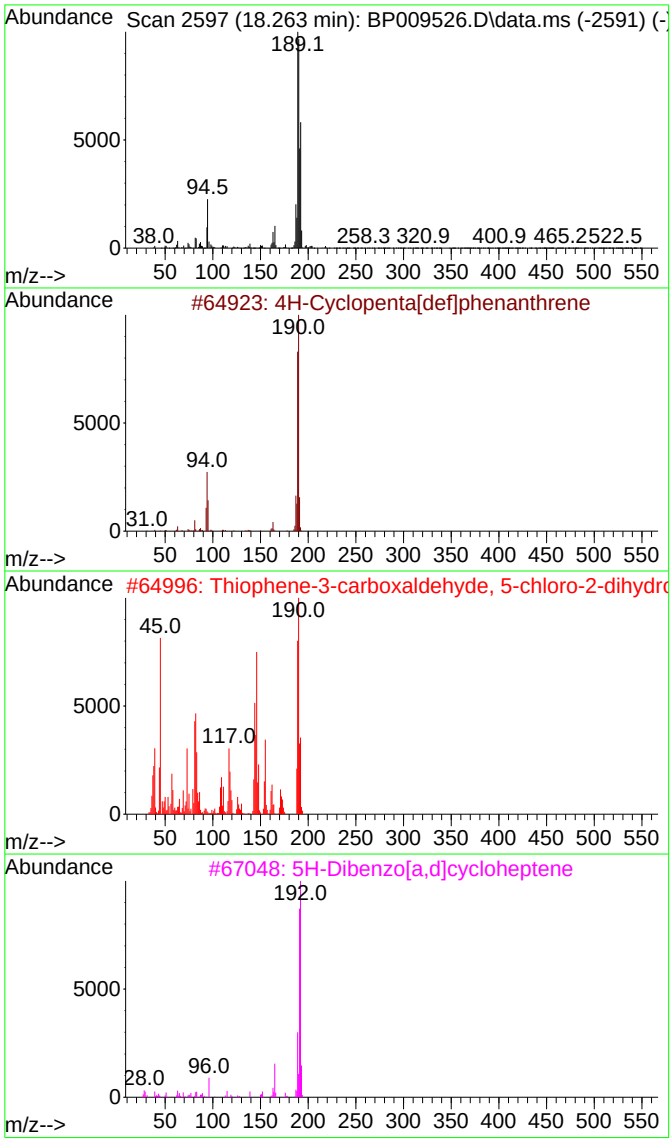
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

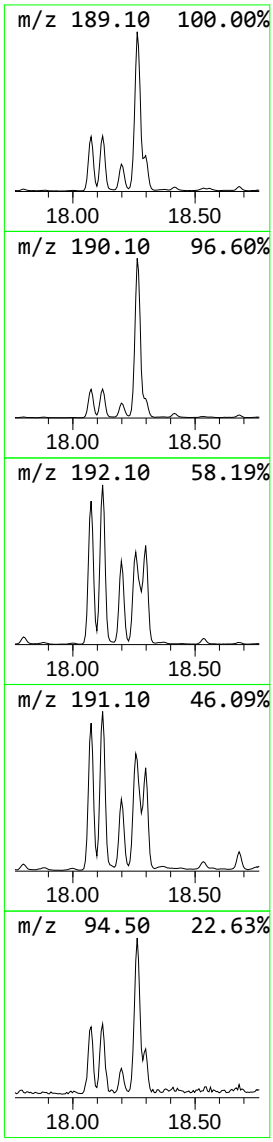
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	43.11 ng	9140870	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	15
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	14





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Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
SB-12-20220315-16.0-17.0

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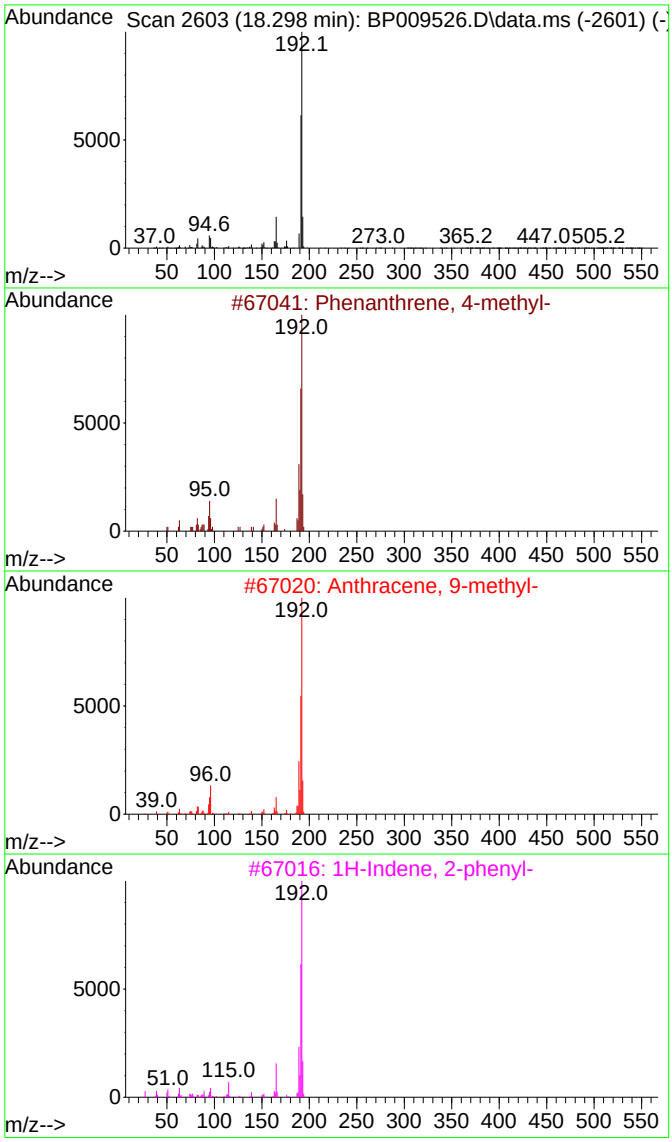
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

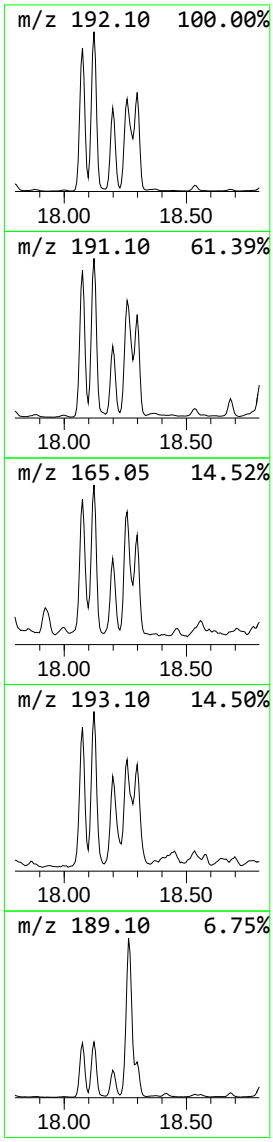
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.298	12.86 ng	2727000	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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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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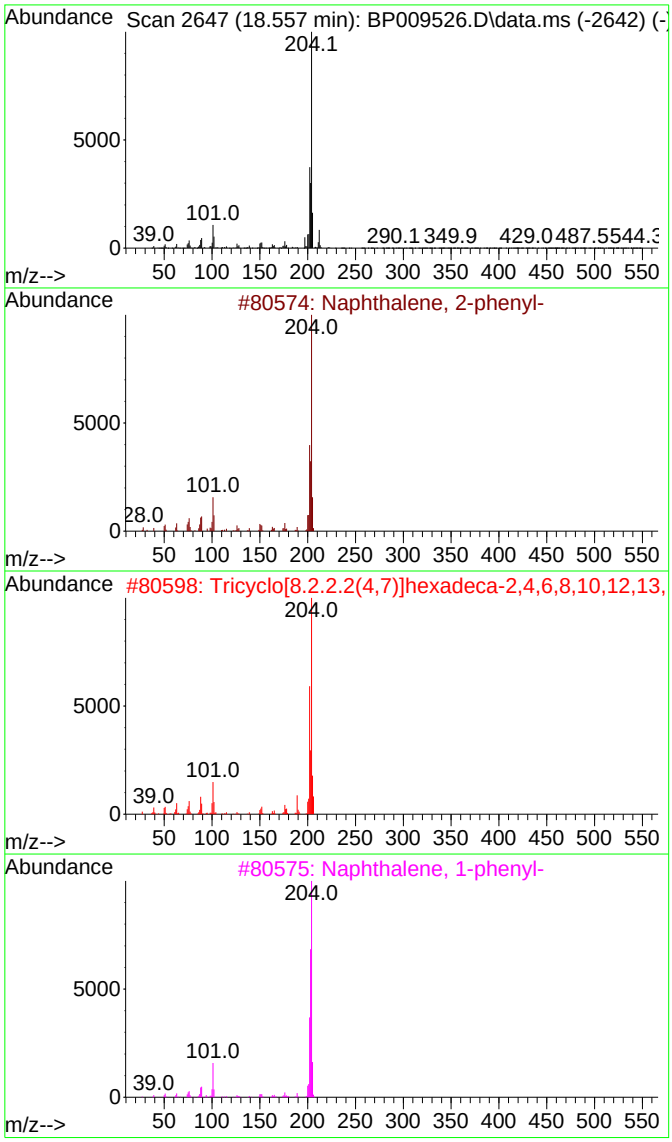
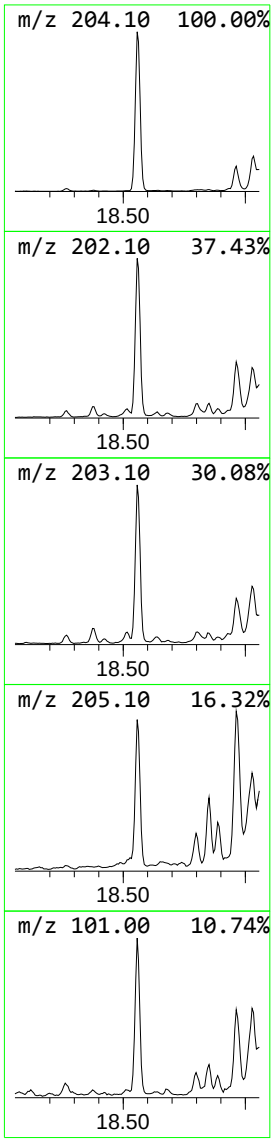
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.557	13.70 ng	2904440	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	49





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Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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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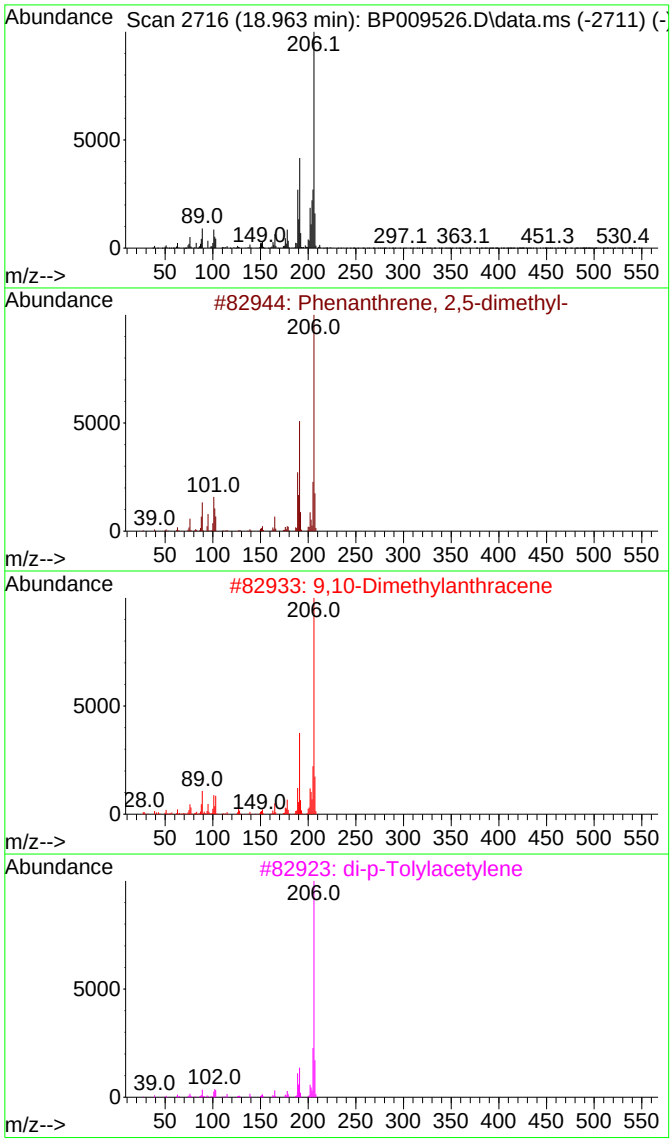
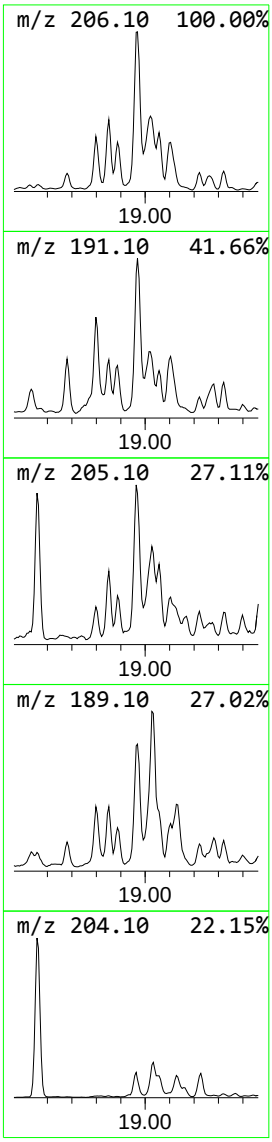
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.963	15.24 ng	3230940	Phenanthrene-d10	17.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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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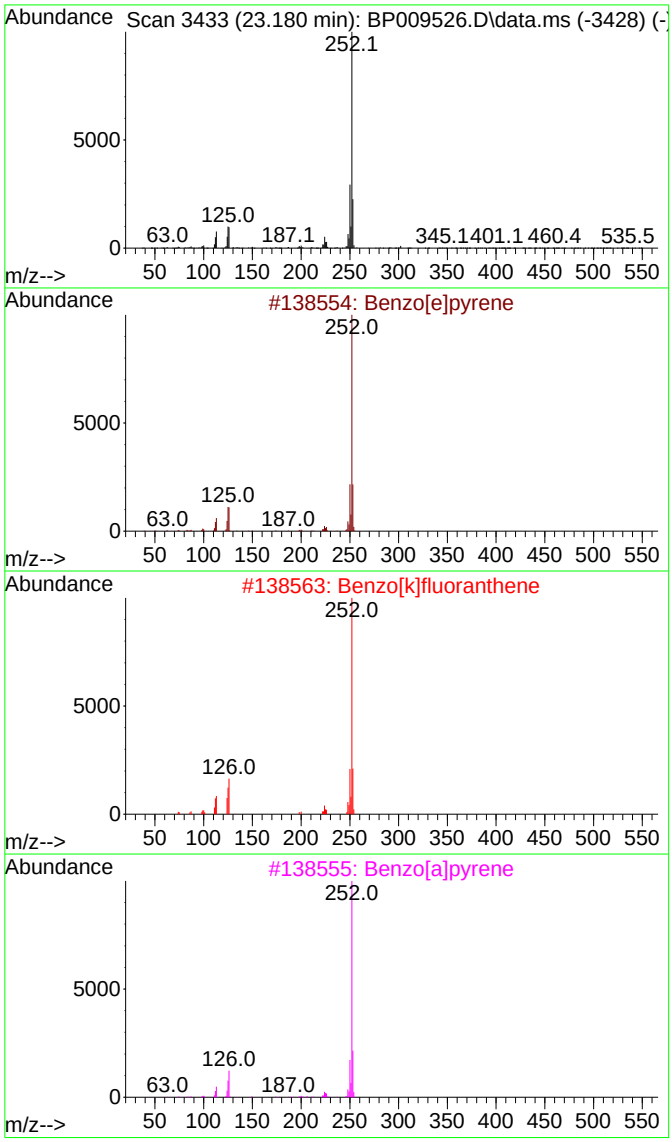
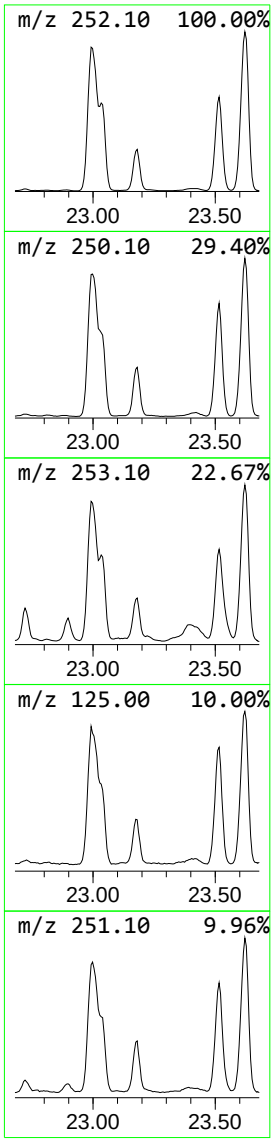
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.180	25.18 ng	3554230	Perylene-d12	23.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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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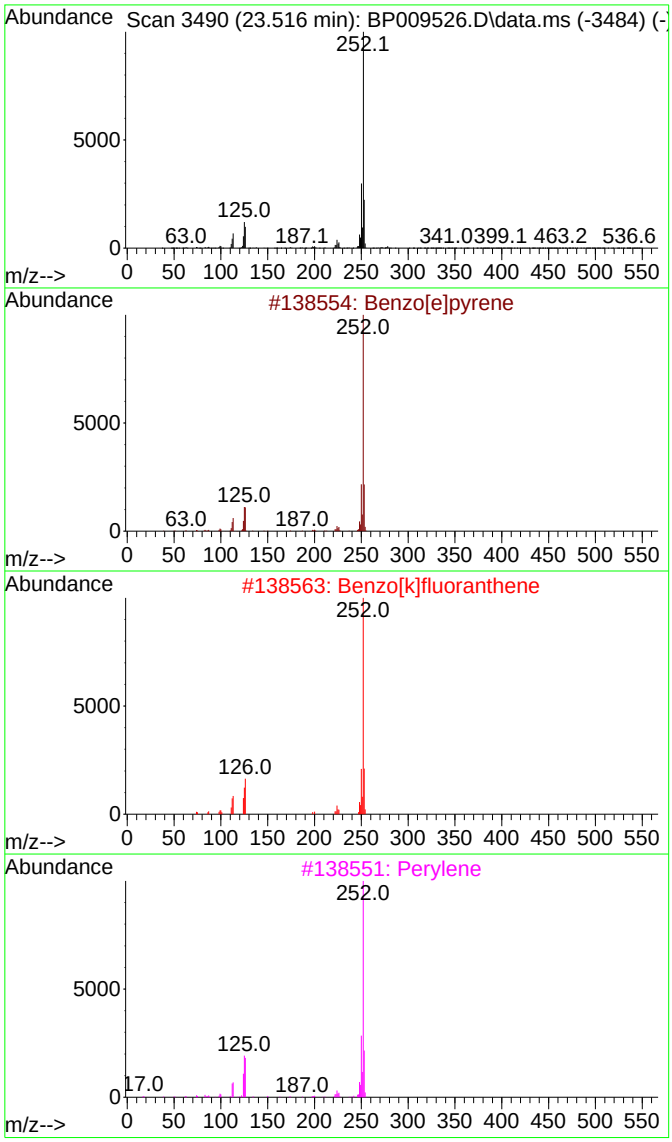
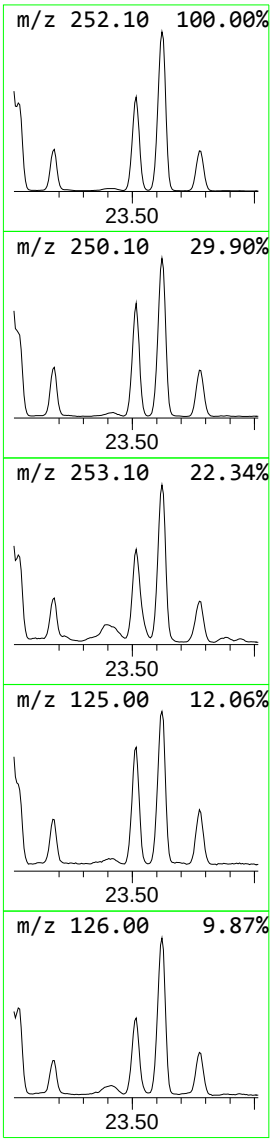
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.515	68.59 ng	9679760	Perylene-d12	23.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009526.D
Acq On : 24 Mar 2022 02:30
Operator : CG/JU
Sample : N1977-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-12-20220315-16.0-17.0

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
Indane	8.163	19.1	ng	3077280	1	7.793	3220900	20.0
Naphthalene, 2-...	13.463	22.1	ng	6898910	3	14.434	6252390	20.0
Naphthalene, 2,...	13.610	31.1	ng	9709340	3	14.434	6252390	20.0
Naphthalene, 2,...	13.757	32.1	ng	10041100	3	14.434	6252390	20.0
Naphthalene, 1,...	13.810	15.5	ng	4852830	3	14.434	6252390	20.0
Naphthalene, 1,...	13.993	13.9	ng	4345800	3	14.434	6252390	20.0
Naphthalene, 1,...	14.645	14.2	ng	4446920	3	14.434	6252390	20.0
9H-Fluorene, 2-...	16.498	12.2	ng	2594400	4	17.198	4240970	20.0
Dibenzothiophene	17.016	21.5	ng	4564470	4	17.198	4240970	20.0
1-Methyldibenzo...	17.781	8.6	ng	1829520	4	17.198	4240970	20.0
Anthracene, 1-m...	18.075	26.4	ng	5596710	4	17.198	4240970	20.0
Phenanthrene, 2...	18.122	26.4	ng	5587610	4	17.198	4240970	20.0
1H-Cyclopropa[l...	18.198	13.3	ng	2814650	4	17.198	4240970	20.0
4H-Cyclopenta[d...	18.263	43.1	ng	9140870	4	17.198	4240970	20.0
Phenanthrene, 4...	18.298	12.9	ng	2727000	4	17.198	4240970	20.0
Naphthalene, 2-...	18.557	13.7	ng	2904440	4	17.198	4240970	20.0
Phenanthrene, 2...	18.963	15.2	ng	3230940	4	17.198	4240970	20.0
Benzo[e]pyrene	23.180	25.2	ng	3554230	6	23.721	2822570	20.0
Perylene	23.515	68.6	ng	9679760	6	23.721	2822570	20.0