LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP008352.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.023	3	6	12	rVB	188387	205180	6.89%	0.485%
2	3.964	161	166	170	rVB	30362	40952	1.38%	0.097%
3	4.199	201	206	212	rBV3	21816	33983	1.14%	0.080%
4	4.517	256	260	266	rVB	28230	38491	1.29%	0.091%
5	4.887	318	323	333	rVB	174308	244470	8.21%	0.578%
6	5.358	396	403	409	rBV	1150453	1741927	58.53%	4.119%
7	5.405	409	411	420	rVB	70865	121415	4.08%	0.287%
8	5.775	469	474	481	rVB	26607	40775	1.37%	0.096%
9	6.952	667	674	691	rBV	982129	1750541	58.82%	4.139%
10	7.758	803	811	820	rBV	318047	485590	16.32%	1.148%
11	8.922	1002	1009	1022	rBV	652538	1122482	37.72%	2.654%
12	10.558	1279	1287	1292	rBV	324240	581083	19.52%	1.374%
13	10.605	1292	1295	1306	rVB	90598	153044	5.14%	0.362%
14	12.228	1565	1571	1579	rVB	73027	117554	3.95%	0.278%
15	12.393	1594	1599	1604	rBV3	17900	44681	1.50%	0.106%
16	12.446	1604	1608	1617	rVB	46915	87264	2.93%	0.206%
17	13.028	1698	1707	1721	rBV	1375257	1999518	67.19%	4.728%
18	13.240	1738	1743	1755	rVB3	41306	79563	2.67%	0.188%
19	13.575	1795	1800	1811	rBV5	31653	77392	2.60%	0.183%
20	13.734	1821	1827	1832	rBV	39771	71031	2.39%	0.168%
21	13.787	1832	1836	1843	rVB2	28224	46972	1.58%	0.111%
22	14.134	1892	1895	1900	rVB2	25951	37739	1.27%	0.089%
23	14.410	1935	1942	1948	rVV	438019	654873	22.00%	1.548%
24	14.475	1948	1953	1962	rVB	168019	259602	8.72%	0.614%
25	14.816	2006	2011	2017	rVV	190732	267738	9.00%	0.633%
26	15.469	2116	2122	2133	rVB	241583	366969	12.33%	0.868%
27	15.628	2146	2149	2154	rVB3	25057	33529	1.13%	0.079%
28	15.763	2168	2172	2180	rVB	68929	113360	3.81%	0.268%
29	15.840	2180	2185	2190	rBV	63296	85034	2.86%	0.201%
30	15.916	2191	2198	2206	rVV	865208	1366833	45.93%	3.232%
31	16.169	2233	2241	2246	rBV7	19995	45328	1.52%	0.107%
32	16.481	2283	2294	2299	rBV5	55560	140933	4.74%	0.333%
33	16.710	2330	2333	2337	rBV2	27910	36277	1.22%	0.086%
34	16.840	2350	2355	2362	rVB	75992	110159	3.70%	0.260%
35	16.928	2362	2370	2376	rBV6	60413	157686	5.30%	0.373%
36	16.992	2377	2381	2390	rVB	111304	168142	5.65%	0.398%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.175	2406	2412	2415	rBV	535345	767084	25.77%	1.814%
38	17.216	2415	2419	2426	rVV	1855129	2695859	90.58%	6.375%
39	17.310	2427	2435	2442	rVV	516603	827213	27.80%	1.956%
40	17.381	2442	2447	2451	rVB2	21577	42358	1.42%	0.100%
41	17.469	2458	2462	2471	rVB8	18658	48591	1.63%	0.115%
42	17.592	2474	2483	2491	rBV2	251093	484089	16.27%	1.145%
43	17.698	2496	2501	2509	rVV5	41136	100484	3.38%	0.238%
44	17.769	2509	2513	2520	rVV6	30882	77818	2.61%	0.184%
45	17.834	2520	2524	2532	rVV4	71368	159397	5.36%	0.377%
46	18.051	2555	2561	2564	rBV	214544	308856	10.38%	0.730%
47	18.098	2564	2569	2574	rVV	333399	474577	15.95%	1.122%
48	18.175	2578	2582	2587	rVB	132909	185041	6.22%	0.438%
49	18.239	2587	2593	2597	rBV2	292203	501072	16.84%	1.185%
50	18.275	2597	2599	2607	rVB	150316	172473	5.80%	0.408%
51	18.351	2608	2612	2616	rBV4	45621	72882	2.45%	0.172%
52	18.392	2616	2619	2623	rVB2	41460	52023	1.75%	0.123%
53	18.534	2639	2643	2648	rBV	149994	194857	6.55%	0.461%
54	18.586	2648	2652	2657	rVV	95271	131932	4.43%	0.312%
55	18.651	2660	2663	2670	rVB3	28795	47284	1.59%	0.112%
56	18.775	2681	2684	2687	rBV3	39008	43070	1.45%	0.102%
57	18.822	2690	2692	2695	rVV	36152	43697	1.47%	0.103%
58	18.863	2695	2699	2702	rVB3	48601	63117	2.12%	0.149%
59	18.939	2707	2712	2716	rBV	167823	240484	8.08%	0.569%
60	19.004	2720	2723	2726	rVV3	39653	48948	1.64%	0.116%
61	19.081	2731	2736	2743	rVB5	139082	241556	8.12%	0.571%
62	19.198	2750	2756	2763	rBV	1904557	2425140	81.49%	5.734%
63	19.298	2770	2773	2778	rBV2	50250	72766	2.45%	0.172%
64	19.434	2793	2796	2800	rVB2	45713	56544	1.90%	0.134%
65	19.522	2806	2811	2813	rBV2	423752	604115	20.30%	1.428%
66	19.551	2813	2816	2824	rVV	1428806	1852608	62.25%	4.381%
67	19.628	2824	2829	2835	rVB2	175503	265107	8.91%	0.627%
68	19.751	2842	2850	2854	rBV	2351383	2976098	100.00%	7.037%
69	19.792	2854	2857	2864	rVB	78480	115680	3.89%	0.274%
70	19.869	2865	2870	2877	rBV2	126788	319248	10.73%	0.755%
71	19.928	2877	2880	2884	rVV	44776	52725	1.77%	0.125%
72	20.004	2888	2893	2895	rBV3	104175	177019	5.95%	0.419%
73	20.039	2895	2899	2905	rVB	285209	409750	13.77%	0.969%
74	20.139	2911	2916	2919	rBV	184829	239090	8.03%	0.565%
75	20.192	2919	2925	2929	rVV2	185491	346885	11.66%	0.820%
76	20.228	2929	2931	2935	rVB2	63572	73069	2.46%	0.173%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

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-BP112521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.269	2936	2938	2943	rVB	49712	60646	2.04%	0.143%
78	20.328	2945	2948	2952	rBV	132806	161331	5.42%	0.381%
79	20.375	2952	2956	2960	rVV2	96266	137634	4.62%	0.325%
80	20.498	2974	2977	2980	rVB2	79741	86369	2.90%	0.204%
81	20.651	3000	3003	3007	rVB2	61686	83054	2.79%	0.196%
82	20.780	3021	3025	3030	rBV	158480	207162	6.96%	0.490%
83	20.933	3048	3051	3054	rBV2	121072	161322	5.42%	0.381%
84	20.969	3054	3057	3060	rVV	181235	244601	8.22%	0.578%
85	21.010	3060	3064	3070	rVV3	193906	482190	16.20%	1.140%
86	21.069	3071	3074	3083	rVB	181628	263302	8.85%	0.623%
87	21.192	3093	3095	3099	rVB	93950	97833	3.29%	0.231%
88	21.275	3103	3109	3114	rVV2	1394523	2817864	94.68%	6.663%
89	21.322	3114	3117	3126	rVB	931661	1201591	40.37%	2.841%
90	21.439	3134	3137	3141	rBV	119041	139236	4.68%	0.329%
91	21.616	3162	3167	3172	rBV2	146018	245005	8.23%	0.579%
92	21.798	3195	3198	3202	rBV4	83301	118002	3.96%	0.279%
93	21.857	3205	3208	3213	rVB	182429	247510	8.32%	0.585%
94	22.063	3241	3243	3246	rBV	64975	75728	2.54%	0.179%
95	22.169	3257	3261	3266	rVB3	114767	169969	5.71%	0.402%
96	22.945	3387	3393	3398	rBV	573736	1398587	46.99%	3.307%
97	23.127	3420	3424	3430	rVB	121827	199926	6.72%	0.473%
98	23.457	3475	3480	3490	rVB	325918	638393	21.45%	1.510%
99	23.557	3491	3497	3505	rBV	554143	1041186	34.98%	2.462%
100	23.663	3509	3515	3521	rBV2	535443	1073683	36.08%	2.539%

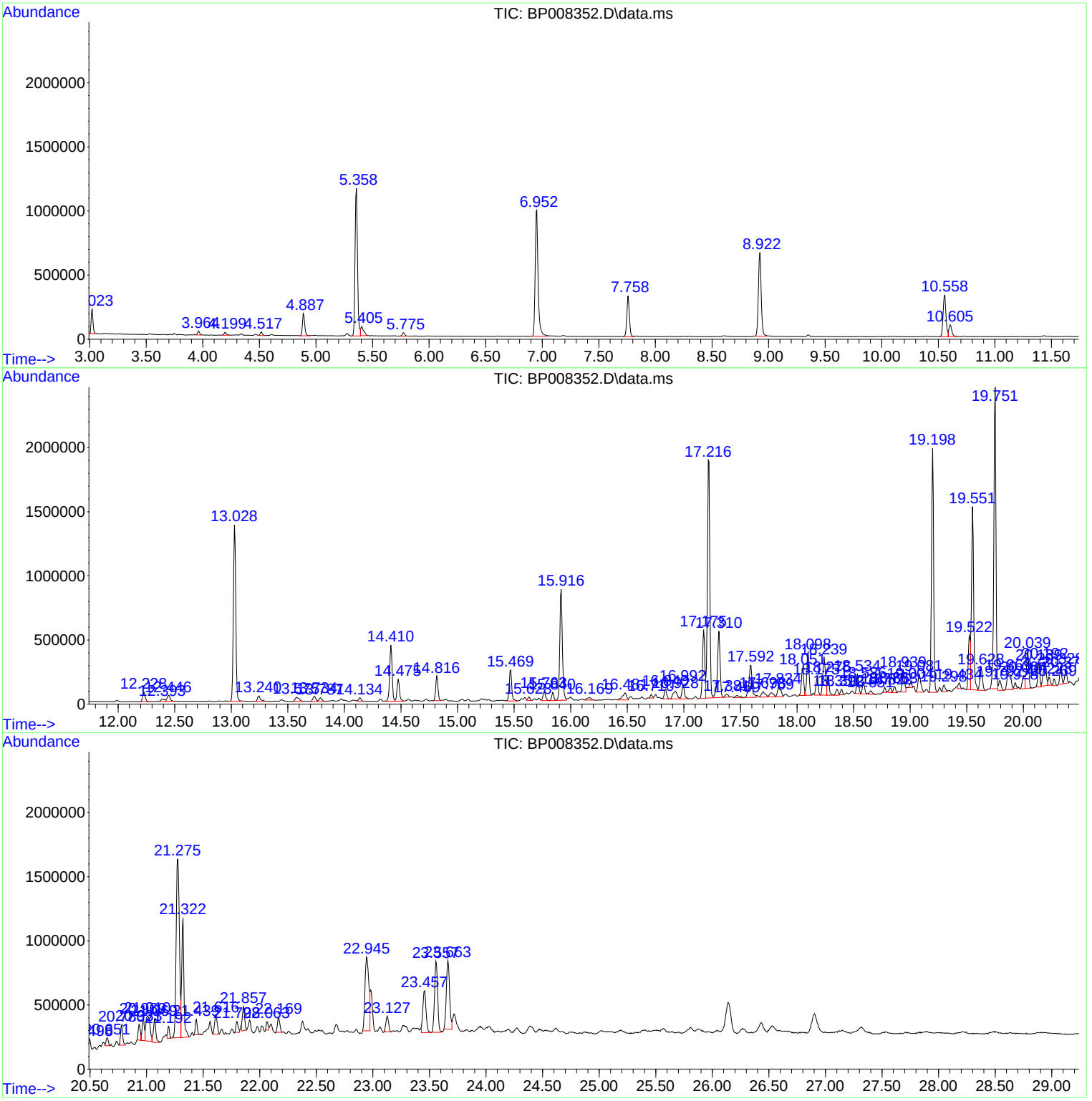
Sum of corrected areas: 42290840

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

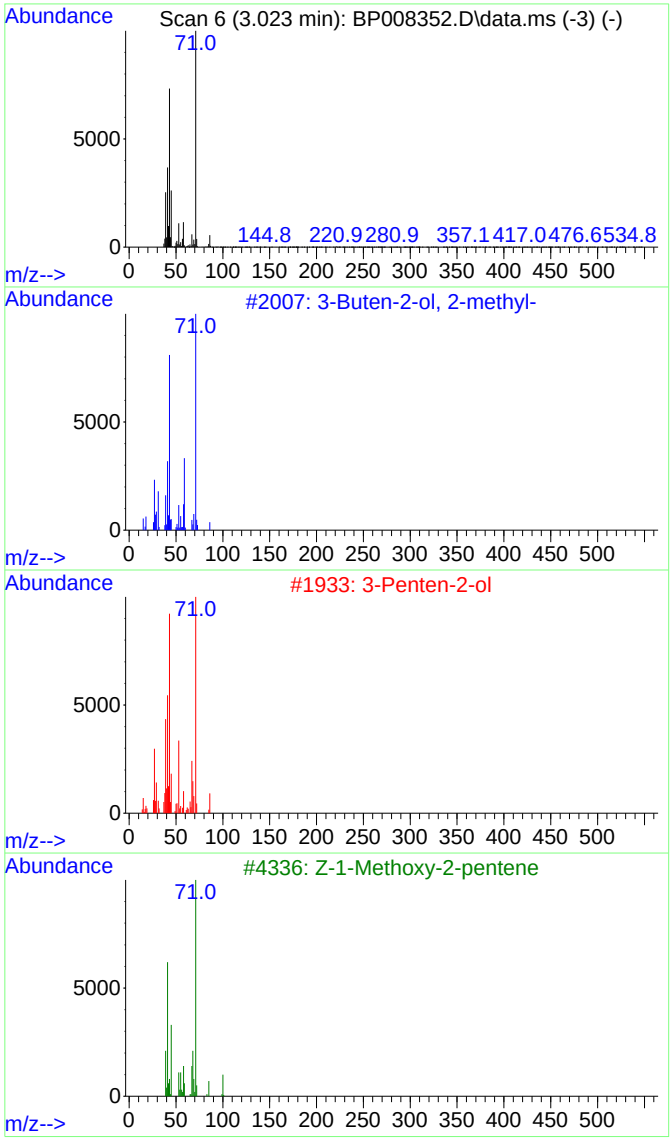
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

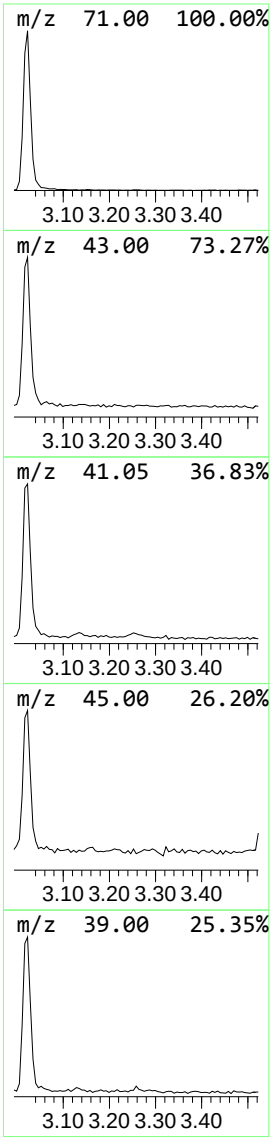
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 3-Buten-2-ol, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.023	8.45 ng	205180	1,4-Dichlorobenzene-d4	7.758

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	72
2	3-Penten-2-ol	86	C5H10O	001569-50-2	72
3	Z-1-Methoxy-2-pentene	100	C6H12O	1000279-59-4	59
4	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	59
5	4-Iodobutanal	198	C4H7IO	1000411-49-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

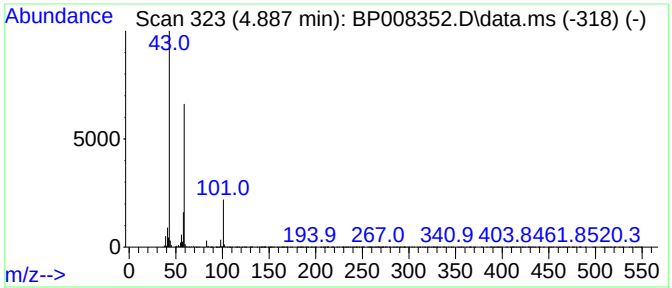
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

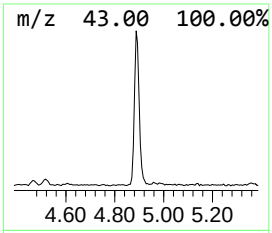
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

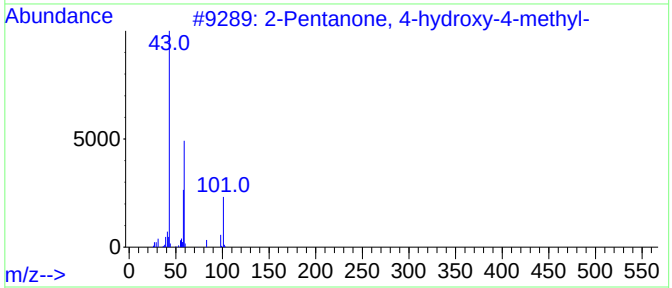
****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

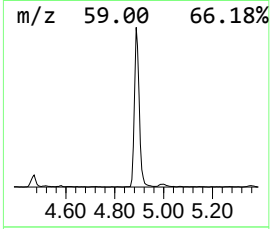
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.887	10.07 ng	244470	1,4-Dichlorobenzene-d4	7.758

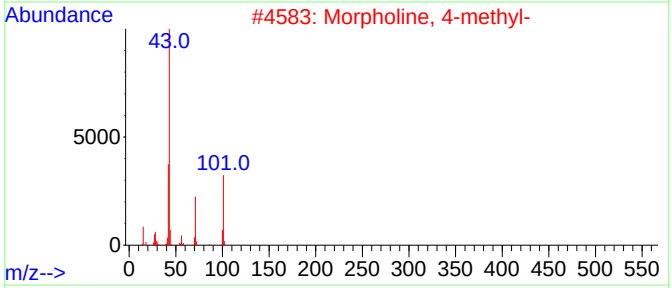
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
3	Guanidine	59	CH5N3	000113-00-8	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9

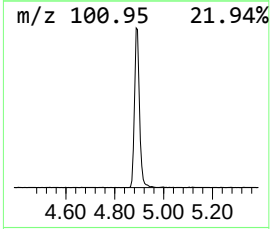


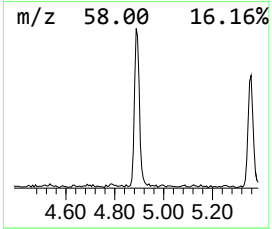


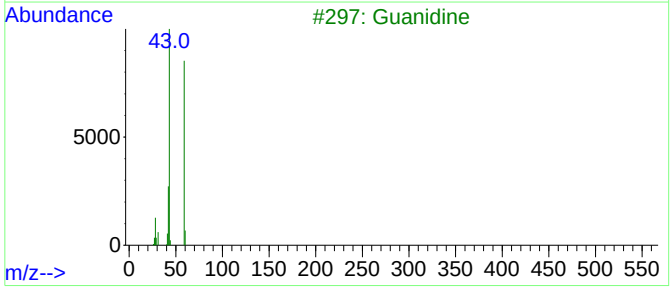


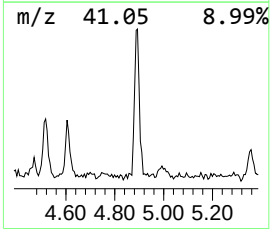












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

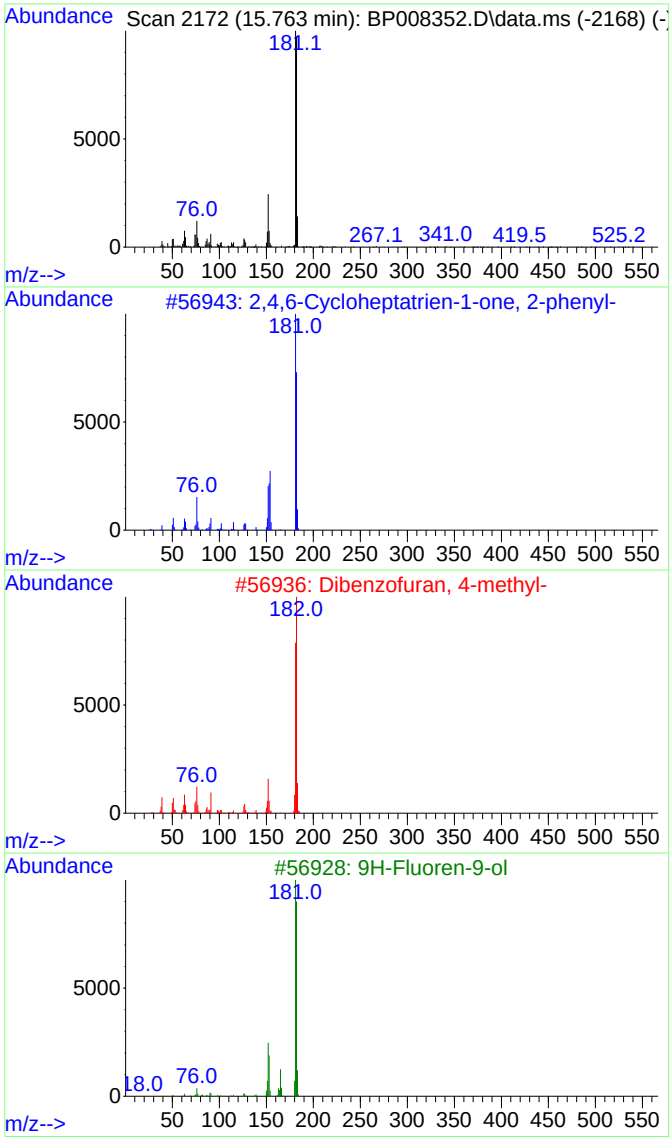
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

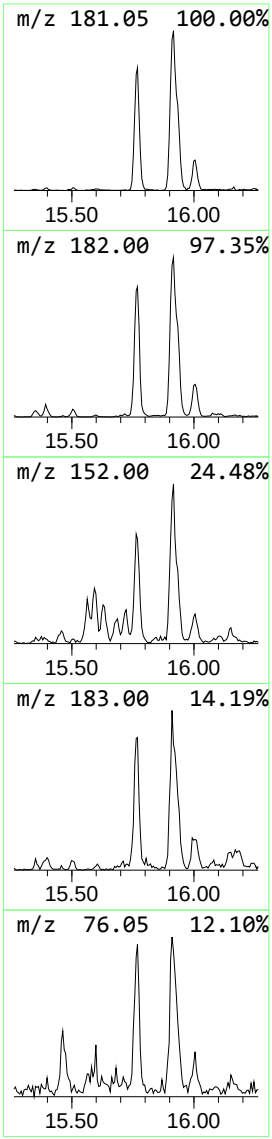
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2,4,6-Cycloheptatrien-1-one... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.763	3.46 ng	113360	Acenaphthene-d10	14.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

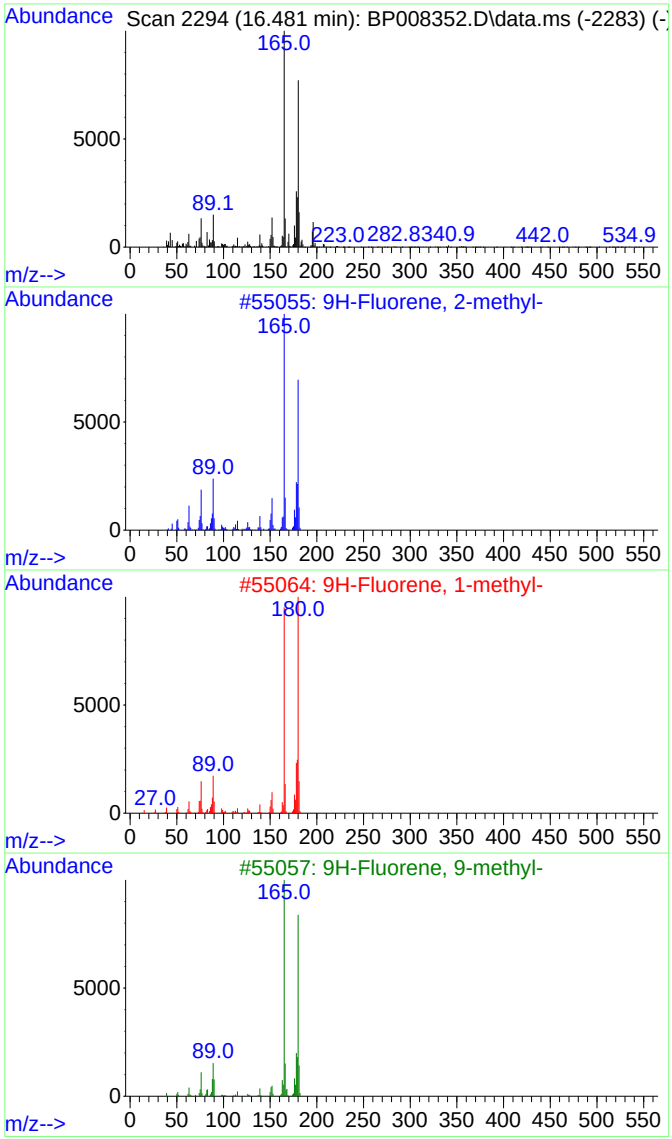
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

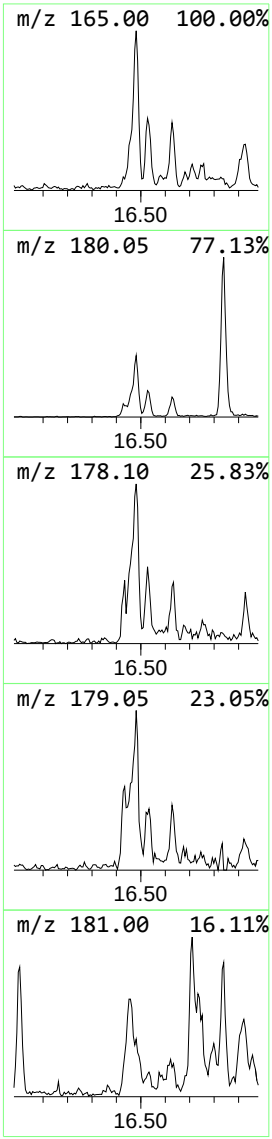
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.481	3.67 ng	140933	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	76
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





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Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

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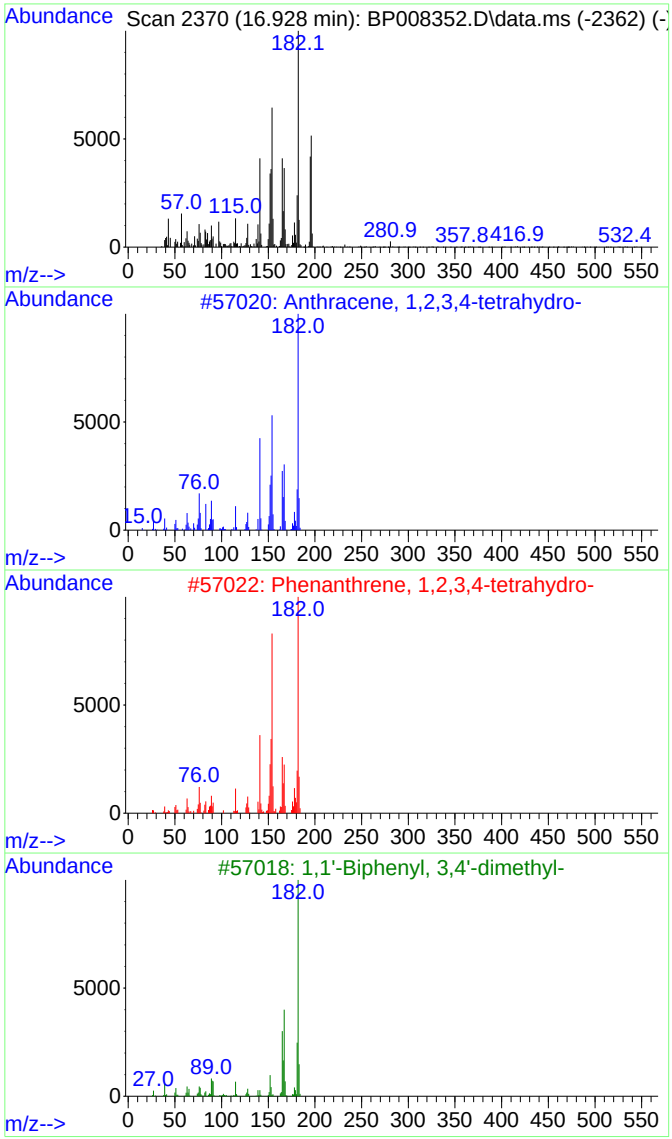
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

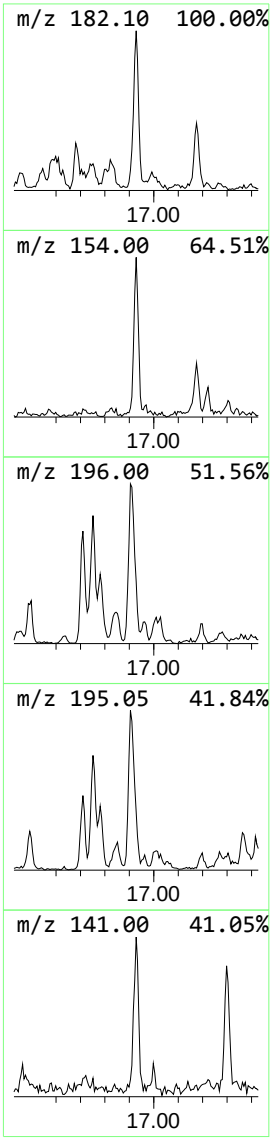
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.928	4.11 ng	157686	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	96
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46
4	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	42
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	42





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Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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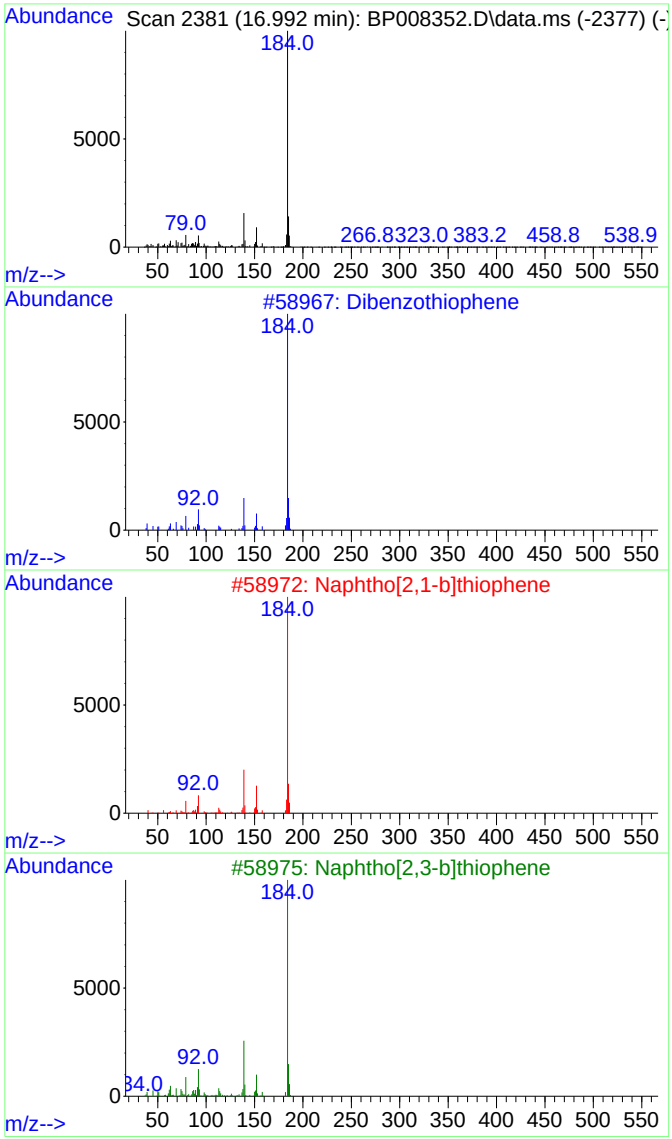
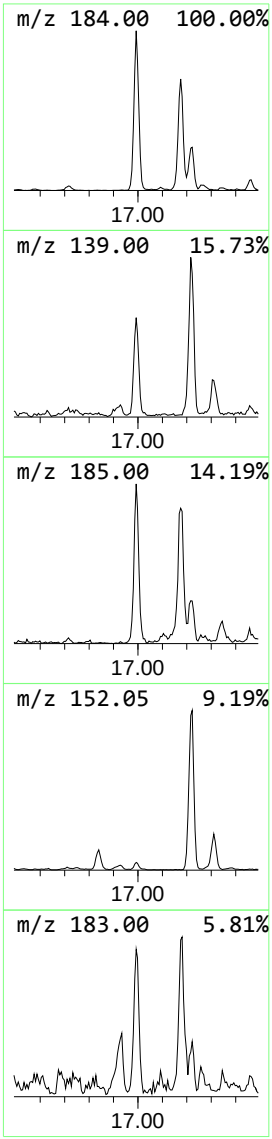
Peak Number 6 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.993	4.38 ng	168142	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Misc :
ALS Vial : 11 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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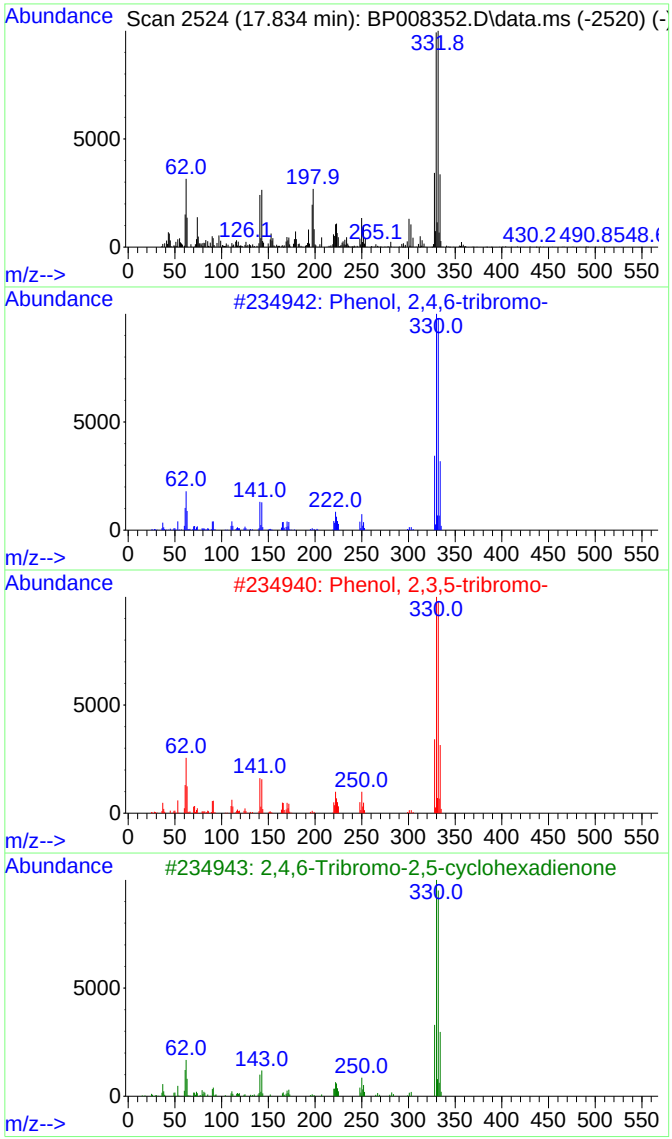
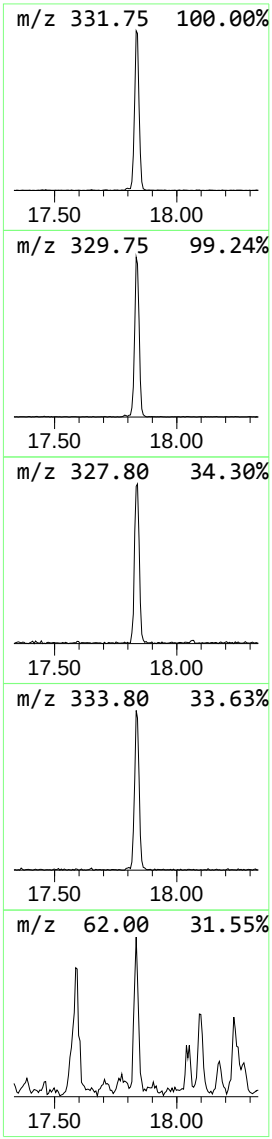
Peak Number 7 Phenol, 2,4,6-tribromo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.834	4.16 ng	159397	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-tribromo-	328	C6H3Br3O	000118-79-6	98
2	Phenol, 2,3,5-tribromo-	328	C6H3Br3O	057383-81-0	98
3	2,4,6-Tribromo-2,5-cyclohexadienone	328	C6H3Br3O	020244-61-5	94
4	2,3,4-Tribromophenol	328	C6H3Br3O	138507-65-0	91
5	2,4,5-Tribromophenol	328	C6H3Br3O	014401-61-7	83





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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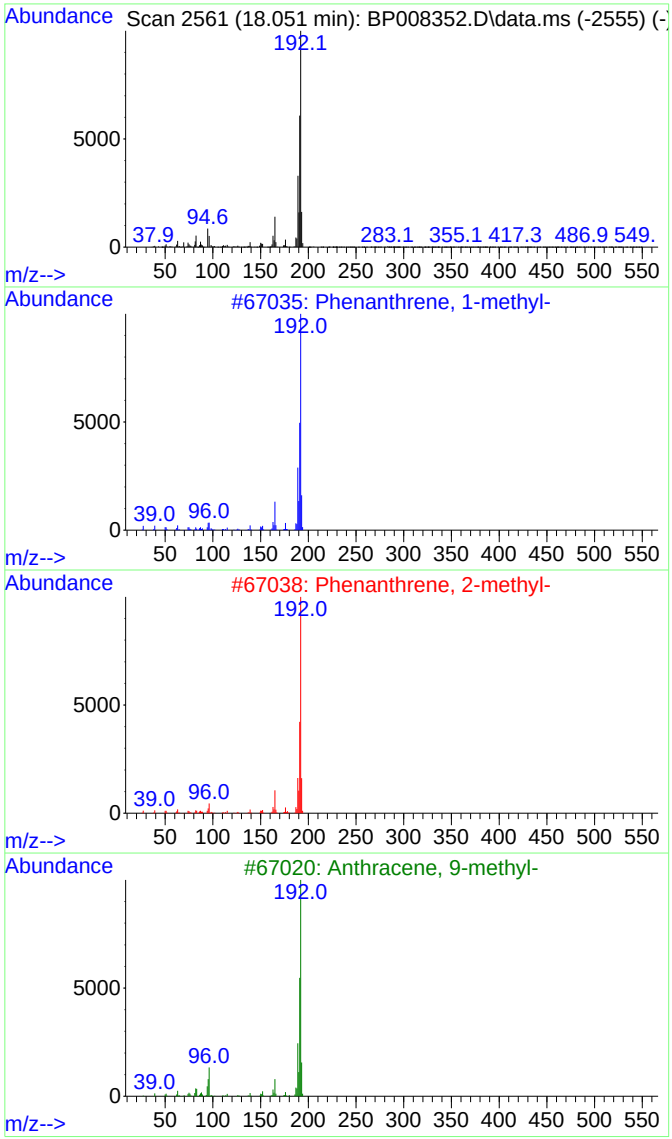
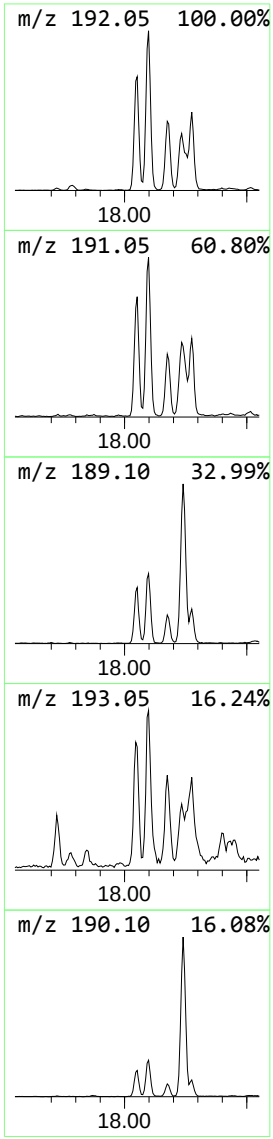
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	8.05 ng	308856	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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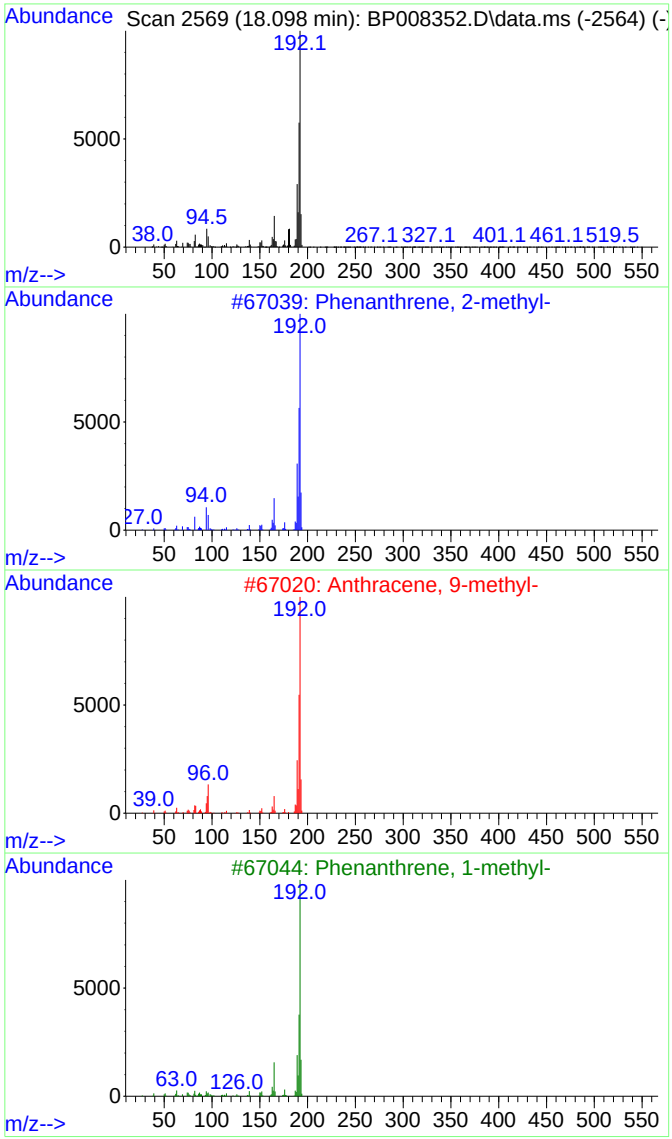
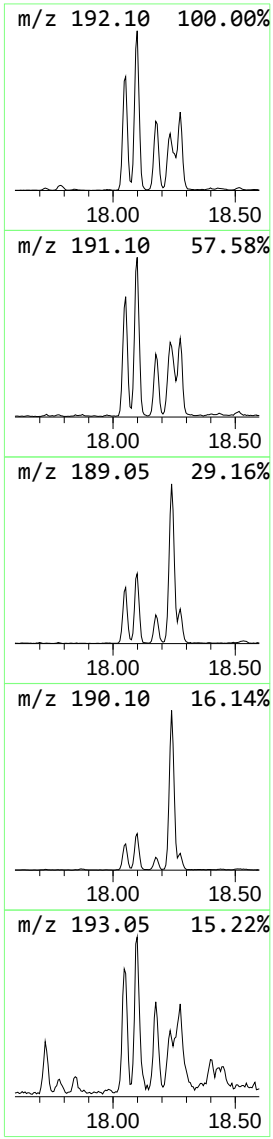
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	12.37 ng	474577	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





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Misc :
ALS Vial : 11 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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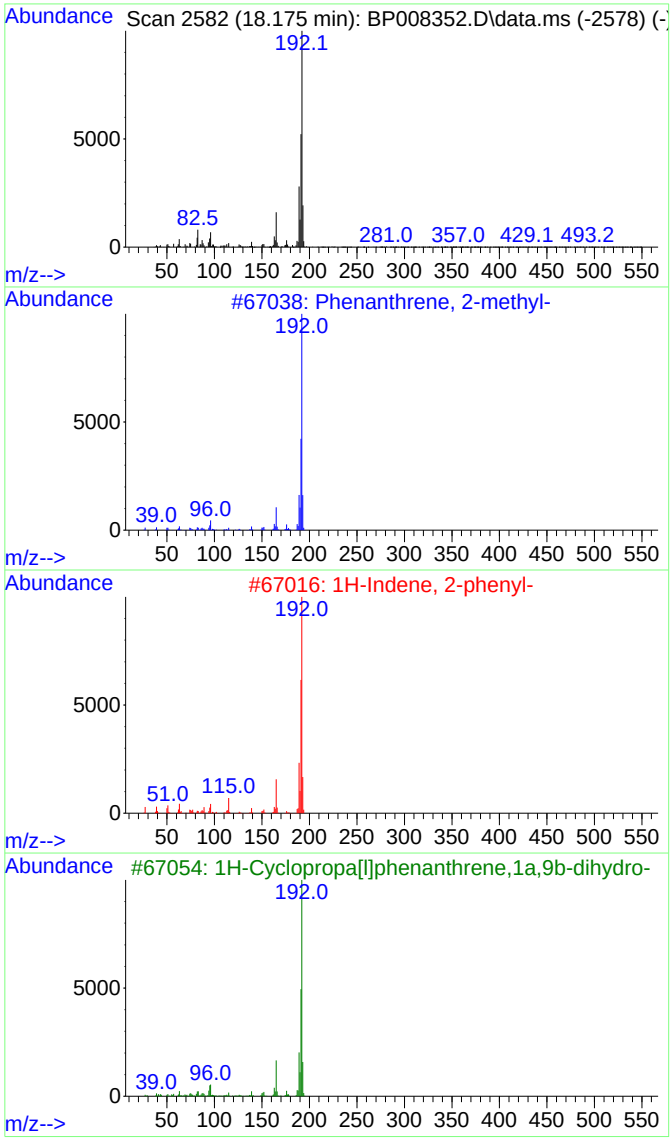
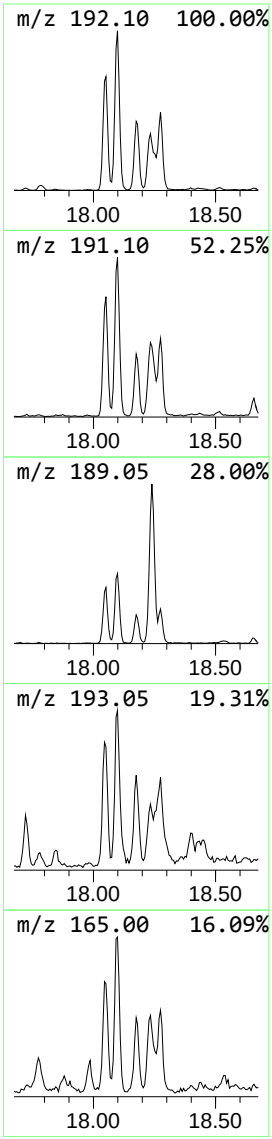
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	4.82 ng	185041	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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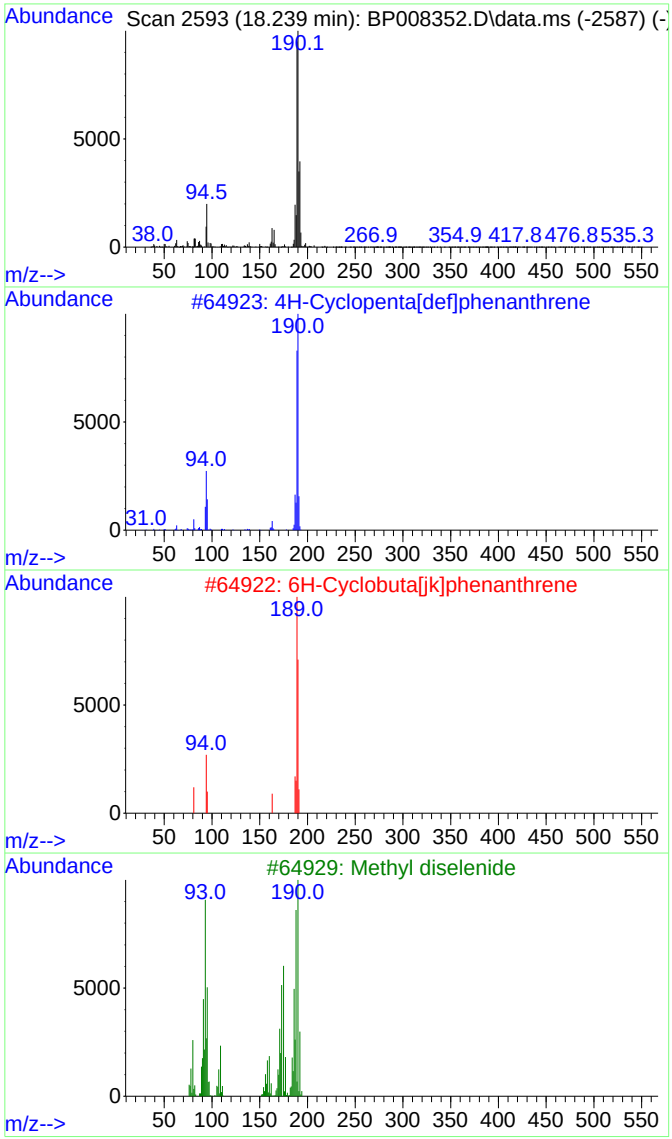
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

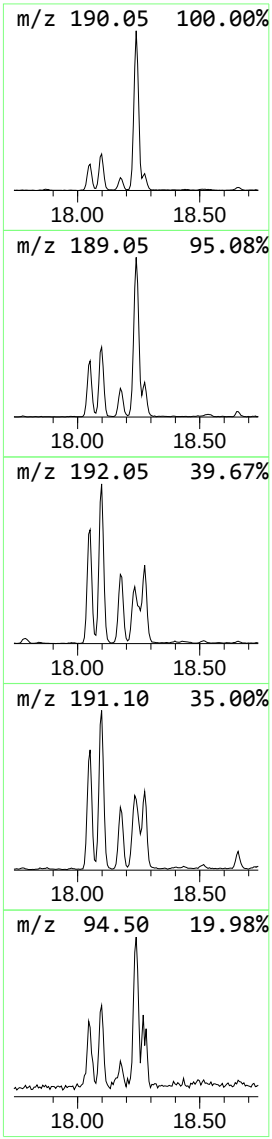
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.240	13.06 ng	501072	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	60
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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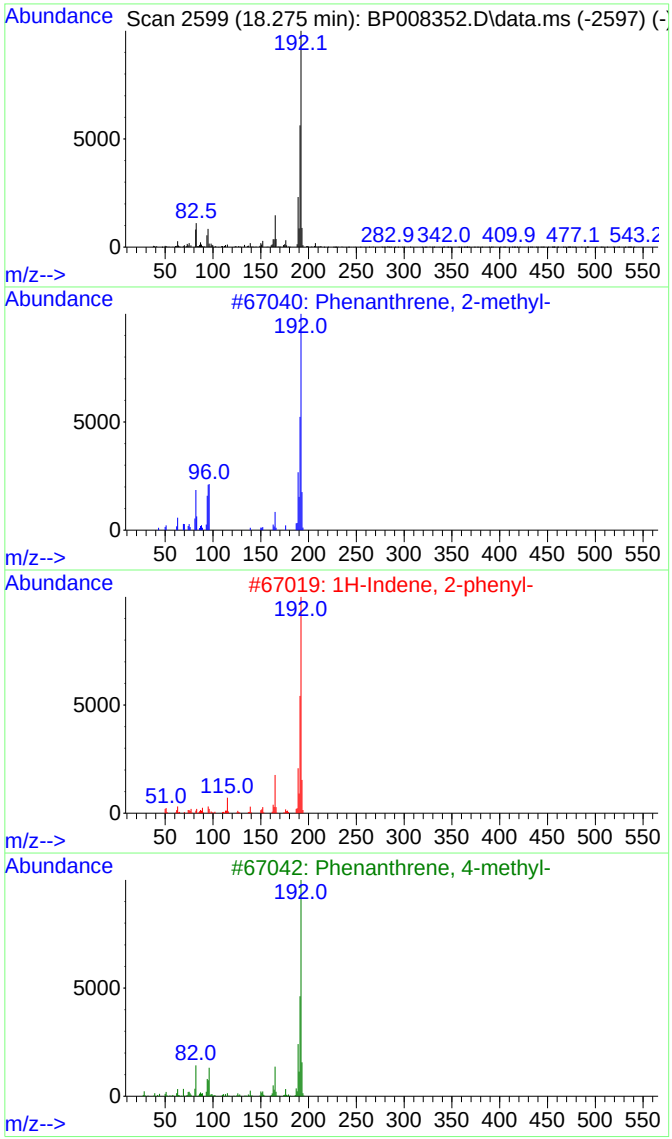
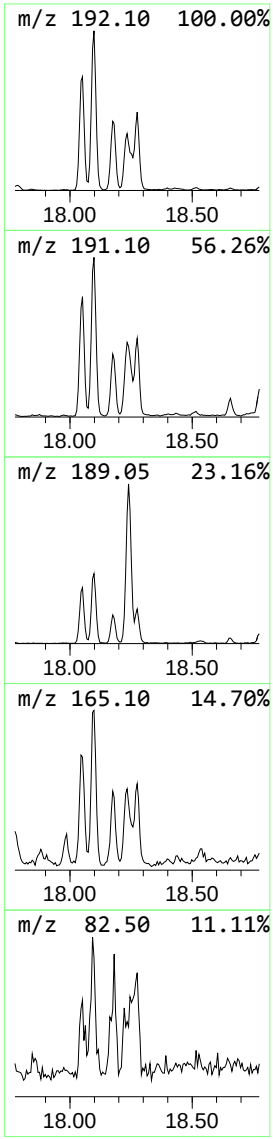
Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.275	4.50 ng	172473	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	62
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	62





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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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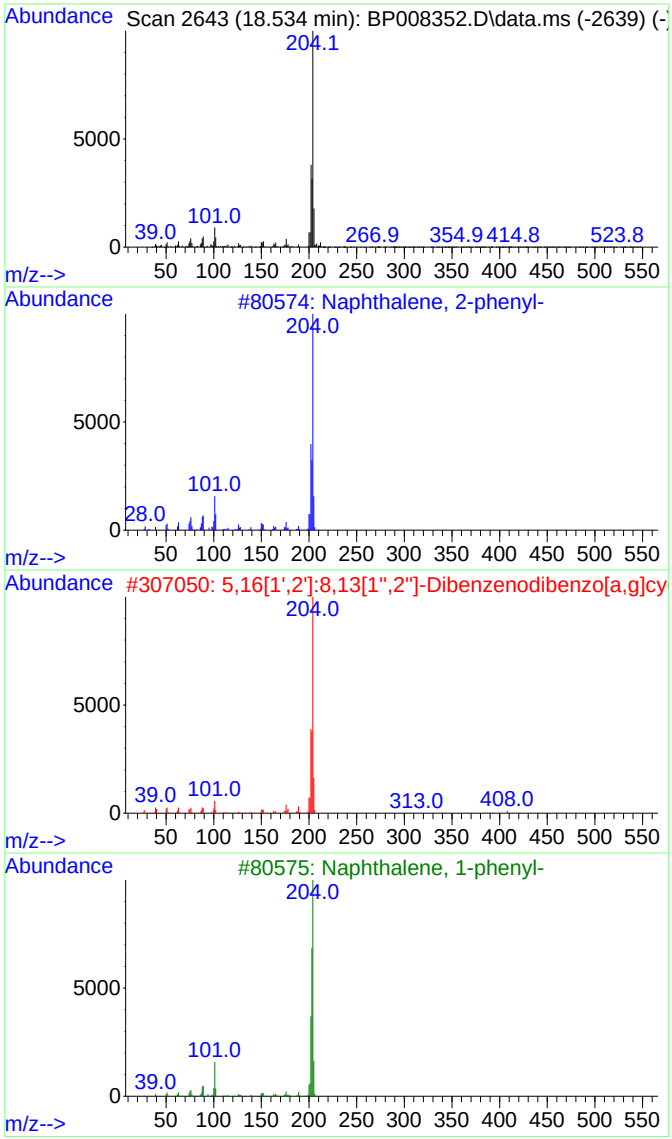
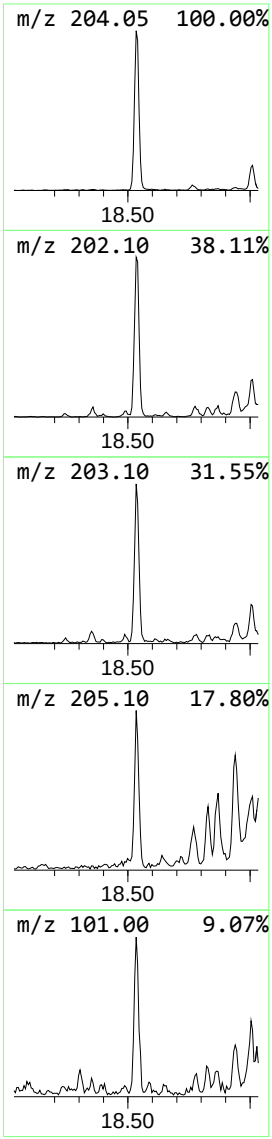
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.534	5.08 ng	194857	Phenanthrene-d10	17.175

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	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68





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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

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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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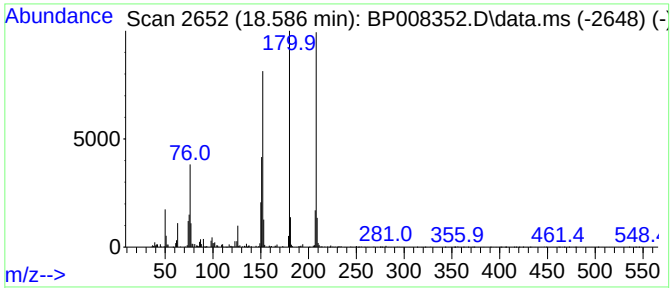
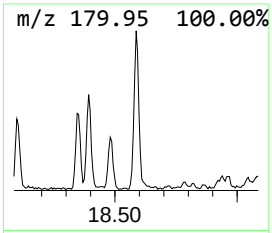
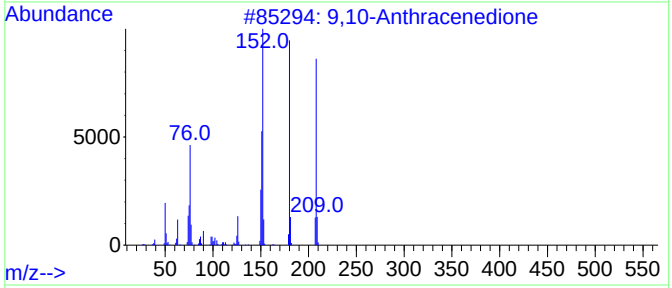
Peak Number 14 9,10-Anthracenedione Concentration Rank 18

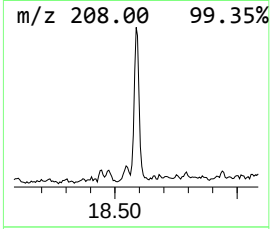
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.587	3.44 ng	131932	Phenanthrene-d10	17.175

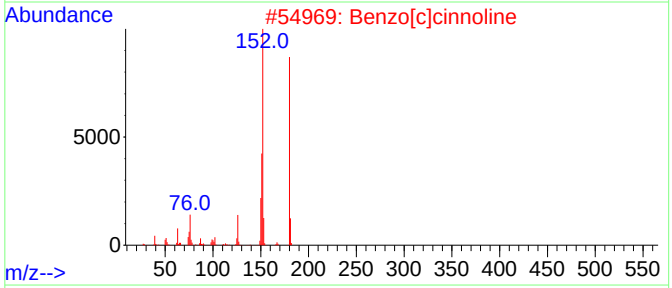
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49

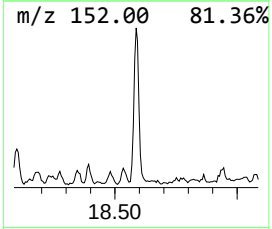


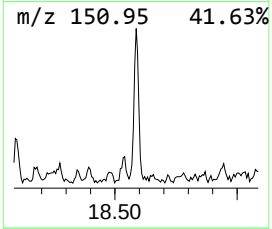


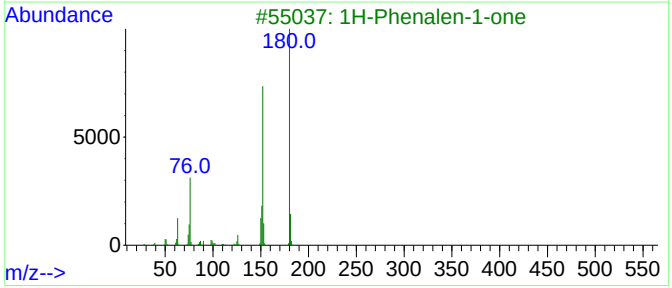


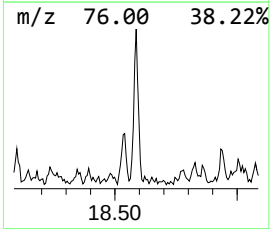












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

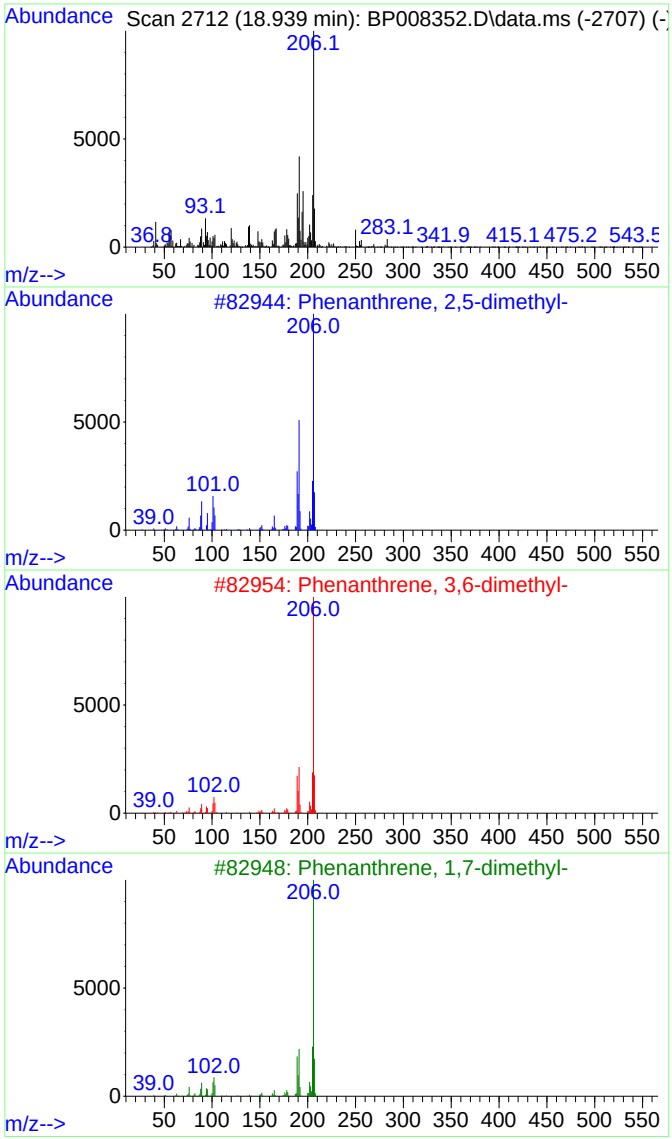
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

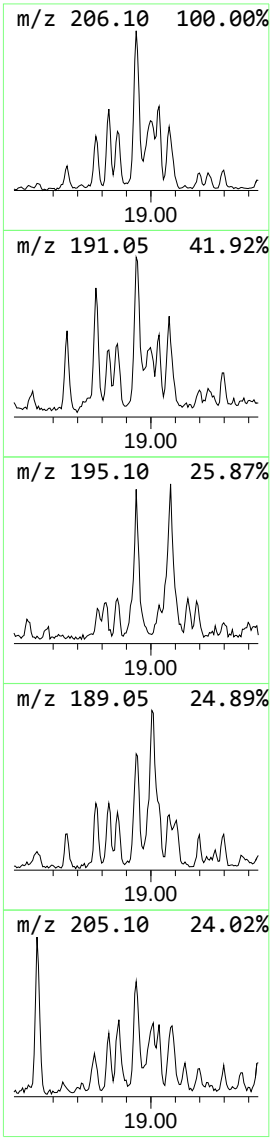
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.939	6.27 ng	240484	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

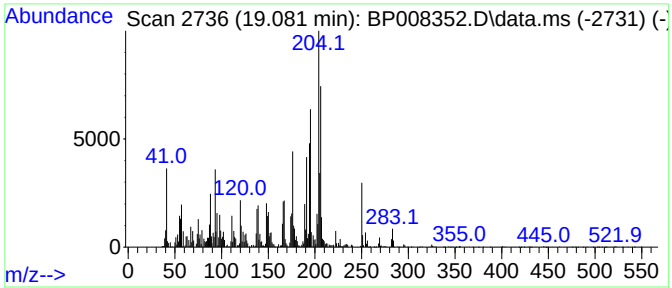
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

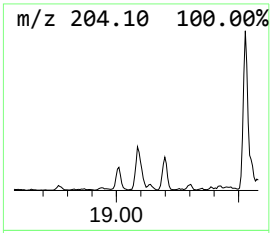
****

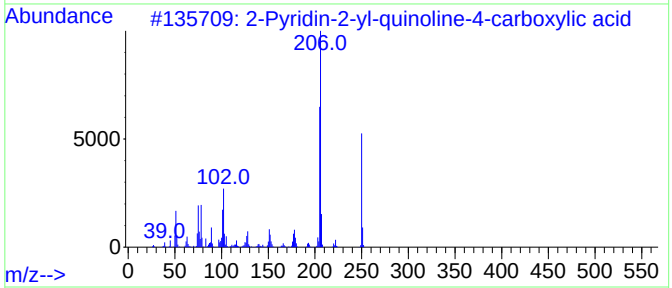
Peak Number 16 unknown19.081 Concentration Rank 7

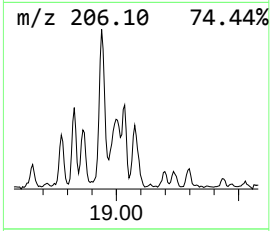
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.081	6.30 ng	241556	Phenanthrene-d10	17.175

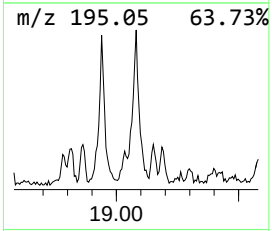
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyridin-2-yl-quinoline-4-carbo...	250	C15H10N2O2	057882-27-6	45
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	35
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	35
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	35

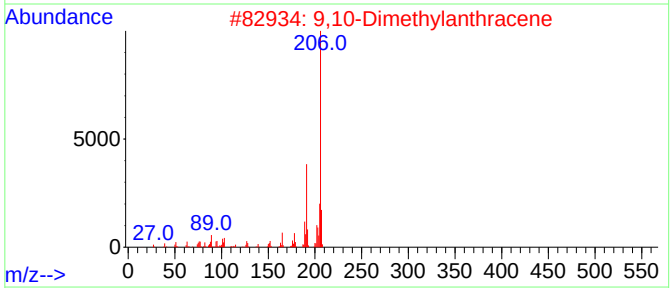


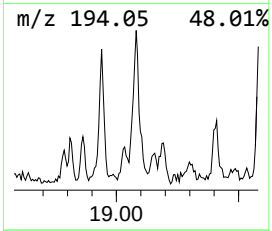


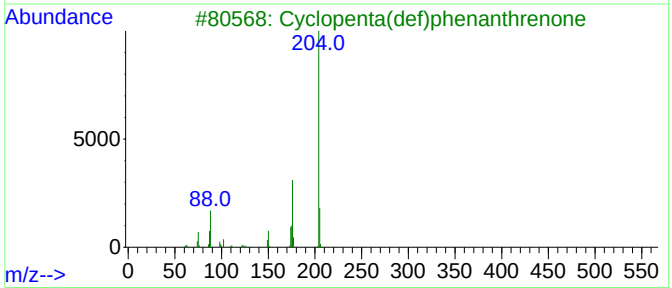


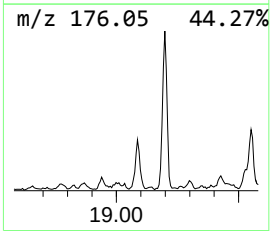












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

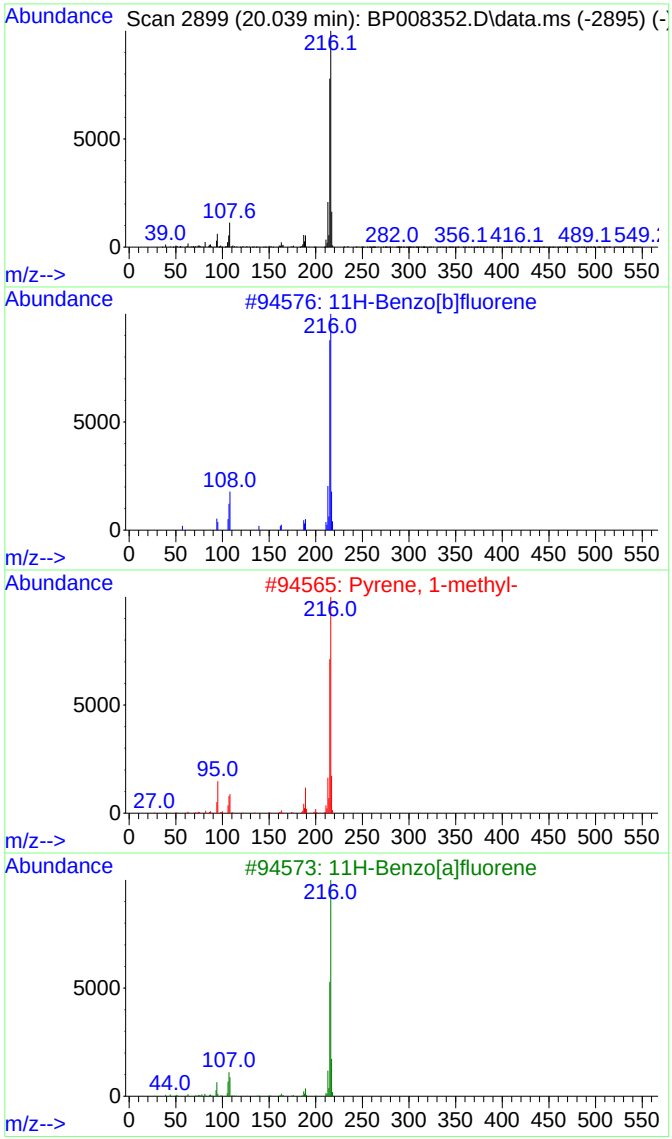
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

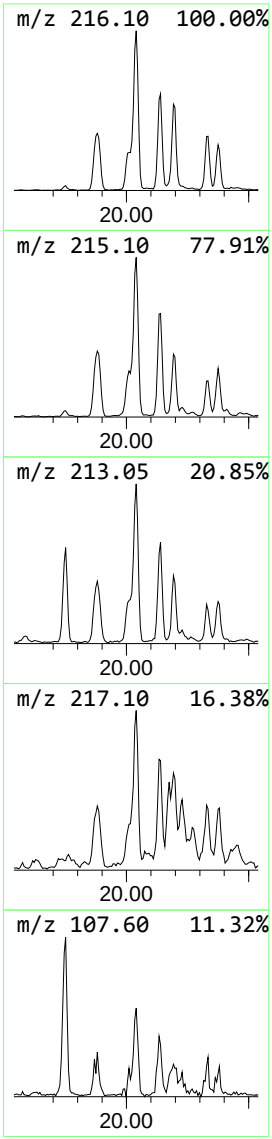
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.039	2.91 ng	409750	Chrysene-d12	21.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121021\
Data File : BP008352.D
Acq On : 10 Dec 2021 21:40
Operator : CG/JU
Sample : M4966-29
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
P4-COMP

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.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
3-Buten-2-ol, 2...	3.023	8.4	ng	205180	1	7.758	485590	20.0
2-Pentanone, 4-...	4.887	10.1	ng	244470	1	7.758	485590	20.0
2,4,6-Cyclohept...	15.763	3.5	ng	113360	3	14.410	654873	20.0
9H-Fluorene, 2-...	16.481	3.7	ng	140933	4	17.175	767084	20.0
Anthracene, 1,2...	16.928	4.1	ng	157686	4	17.175	767084	20.0
Dibenzothiophene	16.993	4.4	ng	168142	4	17.175	767084	20.0
Phenol, 2,4,6-t...	17.834	4.2	ng	159397	4	17.175	767084	20.0
Phenanthrene, 1...	18.051	8.1	ng	308856	4	17.175	767084	20.0
Phenanthrene, 2...	18.098	12.4	ng	474577	4	17.175	767084	20.0
1H-Indene, 2-ph...	18.175	4.8	ng	185041	4	17.175	767084	20.0
4H-Cyclopenta[d...	18.240	13.1	ng	501072	4	17.175	767084	20.0
Phenanthrene, 4...	18.275	4.5	ng	172473	4	17.175	767084	20.0
Naphthalene, 2-...	18.534	5.1	ng	194857	4	17.175	767084	20.0
9,10-Anthracene...	18.587	3.4	ng	131932	4	17.175	767084	20.0
Phenanthrene, 2...	18.939	6.3	ng	240484	4	17.175	767084	20.0
unknown19.081	19.081	6.3	ng	241556	4	17.175	767084	20.0
11H-Benzo[b]flu...	20.039	2.9	ng	409750	5	21.281	2817860	20.0