LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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: BP009518.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.393	403	409	416	rBV	2967654	4928969	8.08%	0.420%
2	6.975	667	678	683	rBV2	2827663	6172736	10.12%	0.526%
3	7.440	750	757	767	rBV2	2493780	4725056	7.74%	0.402%
4	7.787	809	816	821	rBV	1712872	3121374	5.12%	0.266%
5	8.164	873	880	888	rVB	2117518	3819706	6.26%	0.325%
6	8.281	894	900	904	rBV	1665982	2754146	4.51%	0.235%
7	8.428	919	925	942	rVB	3542626	6595577	10.81%	0.562%
8	8.893	993	1004	1009	rBV	3204128	5950560	9.75%	0.507%
9	8.946	1009	1013	1016	rBV	1521345	2765695	4.53%	0.236%
10	9.475	1098	1103	1115	rVB	1712278	3514361	5.76%	0.299%
11	9.834	1159	1164	1176	rVB	2803739	5517926	9.04%	0.470%
12	9.987	1184	1190	1200	rVV4	2797907	7338679	12.03%	0.625%
13	10.087	1200	1207	1217	rVV2	1440267	3902095	6.40%	0.332%
14	10.581	1281	1291	1294	rBV2	2823689	6334702	10.38%	0.539%
15	10.646	1294	1302	1309	rVV2	26882745	59386879	97.33%	5.057%
16	11.634	1464	1470	1474	rBV2	2028884	4011631	6.57%	0.342%
17	11.687	1474	1479	1484	rVV3	1210166	3067358	5.03%	0.261%
18	11.781	1490	1495	1507	rVB3	1684944	3938094	6.45%	0.335%
19	12.146	1553	1557	1567	rVB2	1437048	2954401	4.84%	0.252%
20	12.263	1567	1577	1584	rVB	27799469	55783375	91.42%	4.750%
21	12.481	1601	1614	1622	rVV	25149884	52004740	85.23%	4.428%
22	13.052	1705	1711	1718	rVV	4354129	7261524	11.90%	0.618%
23	13.263	1742	1747	1756	rVB	2449010	4339689	7.11%	0.370%
24	13.469	1775	1782	1793	rVB	12599641	27976312	45.85%	2.382%
25	13.616	1797	1807	1813	rVV2	11921567	32747048	53.67%	2.788%
26	13.675	1813	1817	1823	rVV2	2204153	3694850	6.06%	0.315%
27	13.763	1824	1832	1837	rVV	17216772	34991726	57.35%	2.980%
28	13.816	1837	1841	1850	rVV	11542118	20716999	33.95%	1.764%
29	13.993	1865	1871	1875	rVV	8328992	14671412	24.04%	1.249%
30	14.028	1875	1877	1887	rVB	3492692	4235868	6.94%	0.361%
31	14.157	1890	1899	1907	rVB2	8576602	15362184	25.18%	1.308%
32	14.416	1936	1943	1951	rBV2	5472544	12860749	21.08%	1.095%
33	14.510	1951	1959	1966	rVV	24642135	47053889	77.12%	4.007%
34	14.651	1976	1983	1992	rBV	7114175	17651879	28.93%	1.503%
35	14.734	1992	1997	2004	rVV3	1775318	3849548	6.31%	0.328%
36	14.840	2004	2015	2022	rVV2	7484649	17956278	29.43%	1.529%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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	14.916	2022	2028	2034	rVV	5793473	9043409	14.82%	0.770%
38	15.057	2044	2052	2057	rBV2	4332219	9129912	14.96%	0.777%
39	15.110	2057	2061	2065	rVV	3862753	5983063	9.81%	0.509%
40	15.228	2073	2081	2085	rBV	3402906	8587637	14.07%	0.731%
41	15.263	2085	2087	2092	rVV2	2498989	3622978	5.94%	0.309%
42	15.493	2120	2126	2137	rVV	13203438	23969698	39.28%	2.041%
43	15.587	2137	2142	2145	rVV2	5082542	8547662	14.01%	0.728%
44	15.616	2145	2147	2150	rVV	4221789	5252781	8.61%	0.447%
45	15.651	2150	2153	2157	rVV3	2632247	4280497	7.02%	0.364%
46	15.704	2157	2162	2166	rVV4	5293342	9552272	15.65%	0.813%
47	15.787	2171	2176	2187	rVB3	3078674	9028023	14.80%	0.769%
48	15.904	2191	2196	2198	rBV	3604121	5406455	8.86%	0.460%
49	15.934	2198	2201	2209	rVB3	5197098	9191543	15.06%	0.783%
50	16.016	2209	2215	2225	rVB3	1042865	3122889	5.12%	0.266%
51	16.169	2237	2241	2251	rVB4	2329439	5675087	9.30%	0.483%
52	16.310	2261	2265	2274	rBV2	1062256	2850098	4.67%	0.243%
53	16.498	2290	2297	2302	rBV3	4079749	9683387	15.87%	0.825%
54	16.551	2302	2306	2312	rVB2	3345521	4838795	7.93%	0.412%
55	16.651	2318	2323	2329	rVB2	2769589	4500590	7.38%	0.383%
56	16.857	2355	2358	2365	rVB3	2304270	3612102	5.92%	0.308%
57	17.016	2379	2385	2395	rVB	8966788	15714683	25.75%	1.338%
58	17.204	2411	2417	2419	rBV	2596895	4481485	7.34%	0.382%
59	17.257	2419	2426	2431	rVV2	32824810	61017456	100.00%	5.196%
60	17.340	2434	2440	2445	rVB	13802537	20058825	32.87%	1.708%
61	17.398	2445	2450	2455	rBV2	1606777	3106478	5.09%	0.265%
62	17.722	2501	2505	2510	rVV	2133964	2919969	4.79%	0.249%
63	17.787	2511	2516	2525	rVB2	4577201	7390678	12.11%	0.629%
64	17.928	2535	2540	2547	rVB	3566850	7045805	11.55%	0.600%
65	18.081	2560	2566	2569	rVV	10400587	17687307	28.99%	1.506%
66	18.128	2569	2574	2581	rVB	11415051	17708344	29.02%	1.508%
67	18.204	2582	2587	2592	rVV	5351134	8356345	13.70%	0.712%
68	18.263	2592	2597	2601	rVV2	12930163	24529956	40.20%	2.089%
69	18.304	2601	2604	2612	rVB	7059873	9574039	15.69%	0.815%
70	18.563	2643	2648	2652	rBV	6024279	8127847	13.32%	0.692%
71	18.804	2685	2689	2693	rVB3	2242567	3150844	5.16%	0.268%
72	18.887	2700	2703	2708	rVB3	2068141	2956410	4.85%	0.252%
73	18.969	2708	2717	2722	rBV	6884888	13220027	21.67%	1.126%
74	19.034	2722	2728	2731	rBV2	2654177	5106527	8.37%	0.435%
75	19.228	2755	2761	2766	rBV	20167127	29553005	48.43%	2.517%
76	19.286	2767	2771	2775	rVV2	2677013	4186274	6.86%	0.356%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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	19.375	2781	2786	2791	rVV	6963158	10148478	16.63%	0.864%
78	19.463	2797	2801	2803	rBV	2002551	2945304	4.83%	0.251%
79	19.586	2813	2822	2829	rVB	25871311	45653187	74.82%	3.887%
80	19.657	2830	2834	2839	rVB3	1973501	3053585	5.00%	0.260%
81	19.775	2850	2854	2858	rVB	4846631	6200539	10.16%	0.528%
82	19.898	2870	2875	2884	rBV2	2793569	6382799	10.46%	0.544%
83	20.063	2900	2903	2911	rVB	6785221	10077033	16.52%	0.858%
84	20.163	2916	2920	2925	rVB	5560305	7438447	12.19%	0.633%
85	20.222	2926	2930	2934	rBV	4684216	6074397	9.96%	0.517%
86	20.316	2941	2946	2949	rBV2	2707956	4546698	7.45%	0.387%
87	20.357	2950	2953	2957	rVV	4253106	6771048	11.10%	0.577%
88	20.404	2957	2961	2974	rVB	5296766	9001215	14.75%	0.766%
89	20.963	3053	3056	3059	rVV	2285968	2895444	4.75%	0.247%
90	21.004	3059	3063	3066	rVB	2890700	3521320	5.77%	0.300%
91	21.304	3108	3114	3119	rBV3	15485851	29164102	47.80%	2.483%
92	21.351	3119	3122	3132	rVB	11522194	16516400	27.07%	1.406%
93	21.892	3211	3214	3220	rVB3	2629491	3559016	5.83%	0.303%
94	22.998	3395	3402	3414	rVB	5508722	18534769	30.38%	1.578%
95	23.175	3427	3432	3439	rVB	2427323	4723197	7.74%	0.402%
96	23.510	3483	3489	3499	rVB	4615404	10176119	16.68%	0.867%
97	23.622	3500	3508	3515	rBV	9070755	19476475	31.92%	1.658%
98	23.722	3521	3525	3530	rVB2	1708858	2780664	4.56%	0.237%
99	26.227	3943	3951	3964	rVB2	3149720	10091676	16.54%	0.859%
100	26.998	4075	4082	4103	rVB	2598993	8901730	14.59%	0.758%

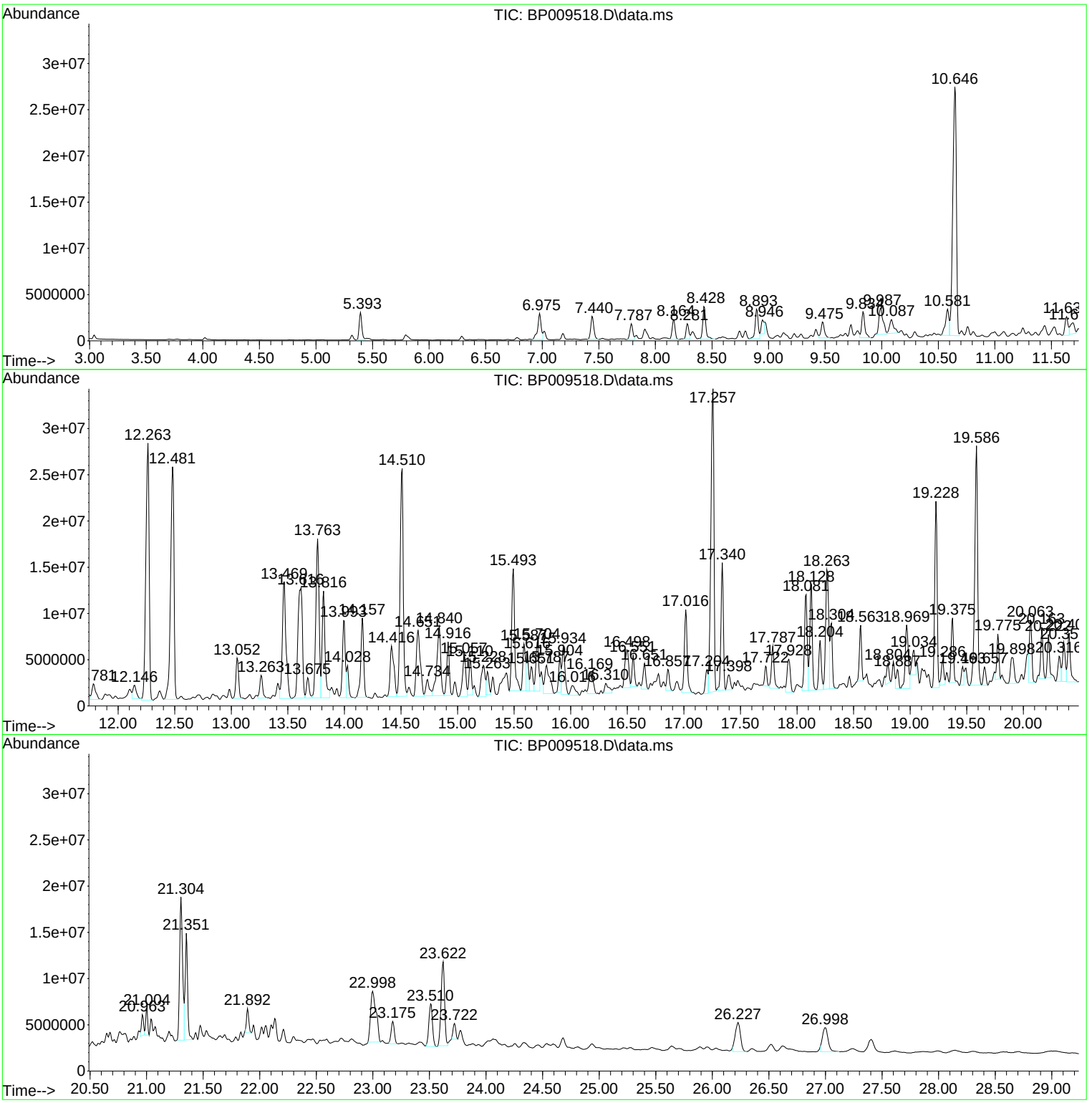
Sum of corrected areas: 1174362839

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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 : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

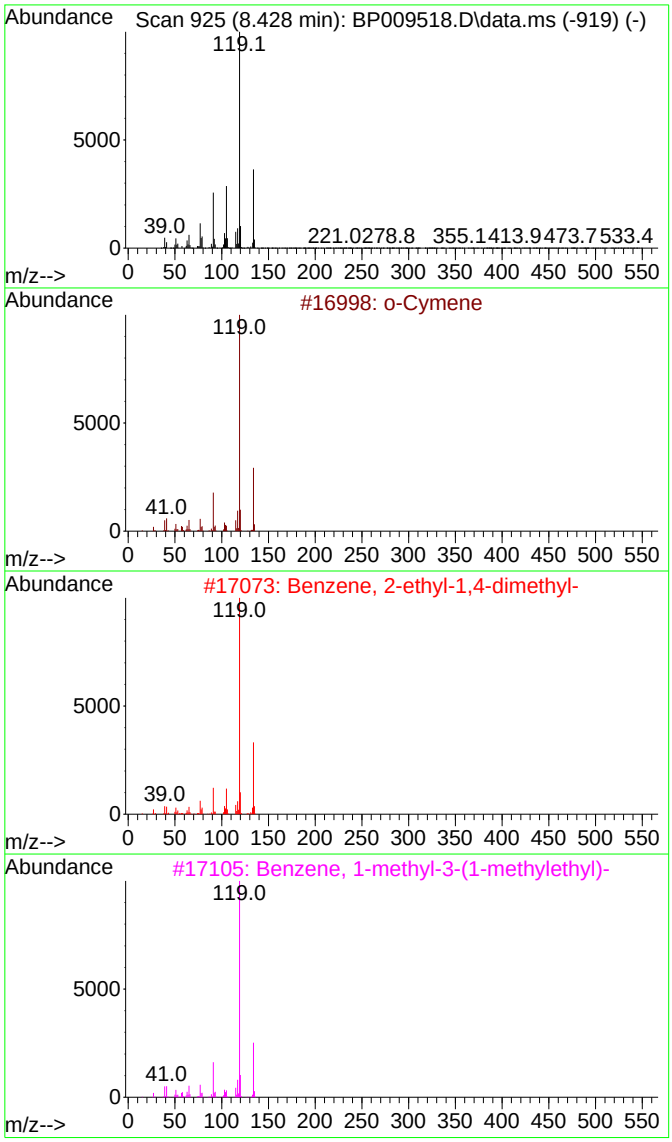
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

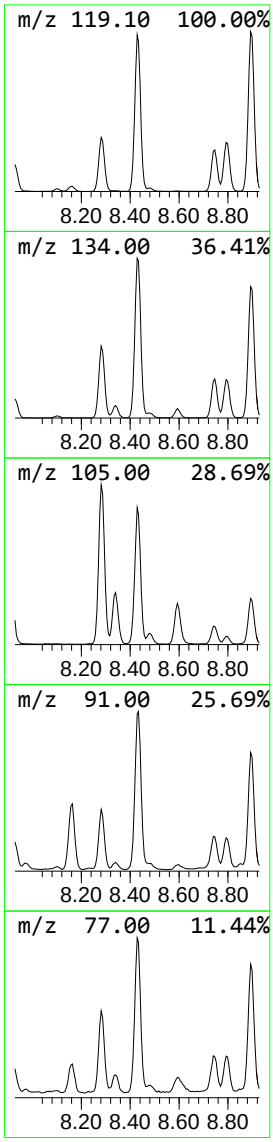
****

Peak Number 2 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.428	42.26 ng	6595580	1,4-Dichlorobenzene-d4	7.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	p-Cymene	134	C10H14	000099-87-6	93
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

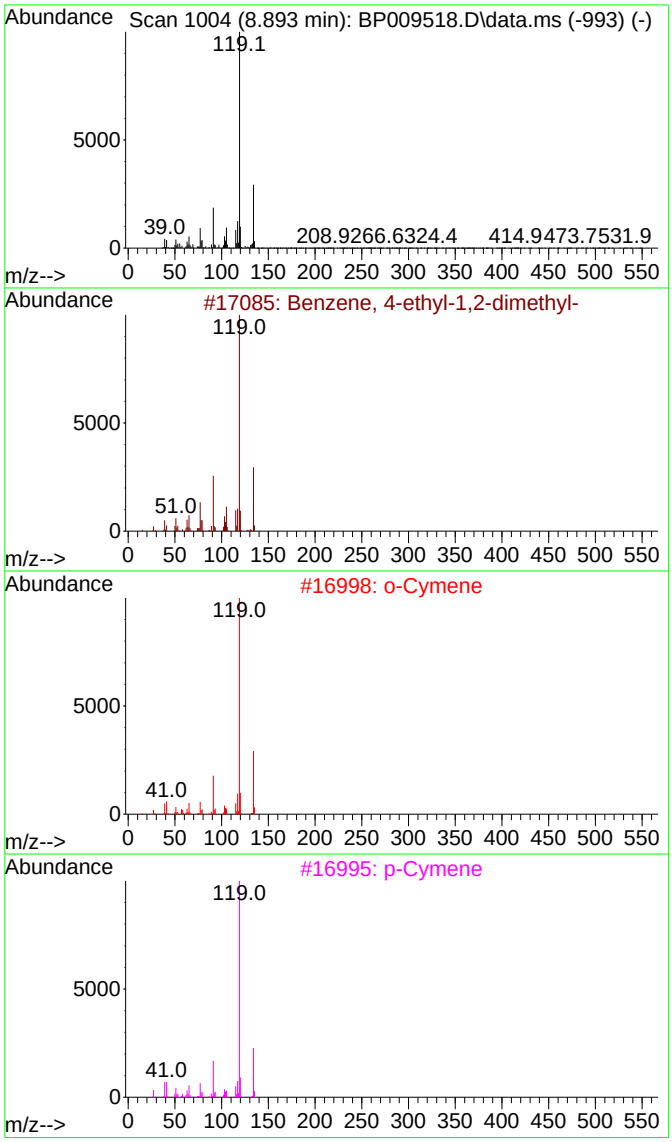
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

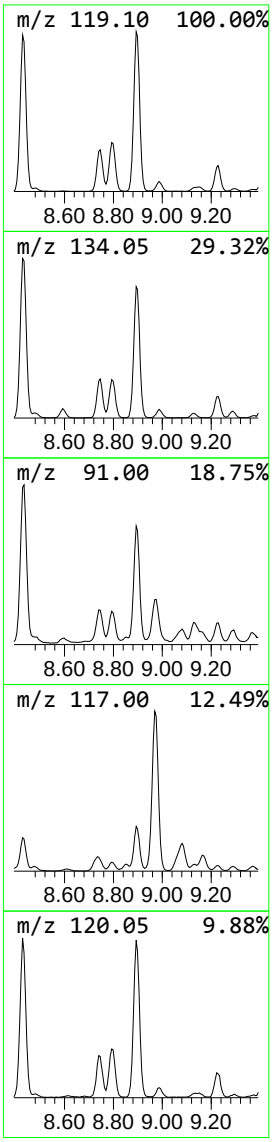
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.893	38.13 ng	5950560	1,4-Dichlorobenzene-d4	7.787

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

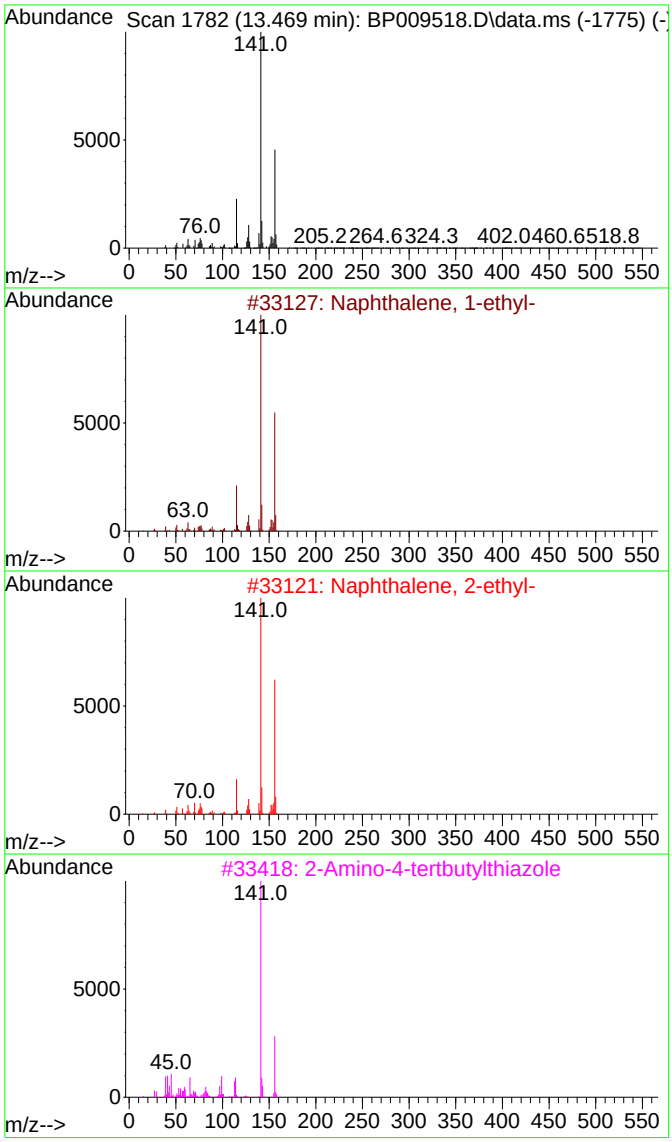
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

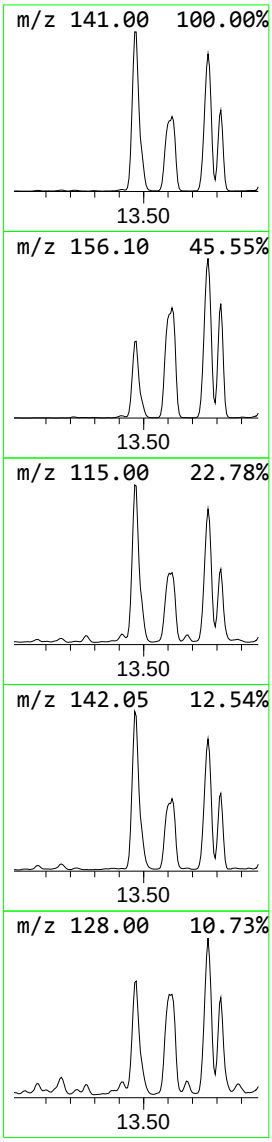
****

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	43.51 ng	27976300	Acenaphthene-d10	14.434

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	95
3	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
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 : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

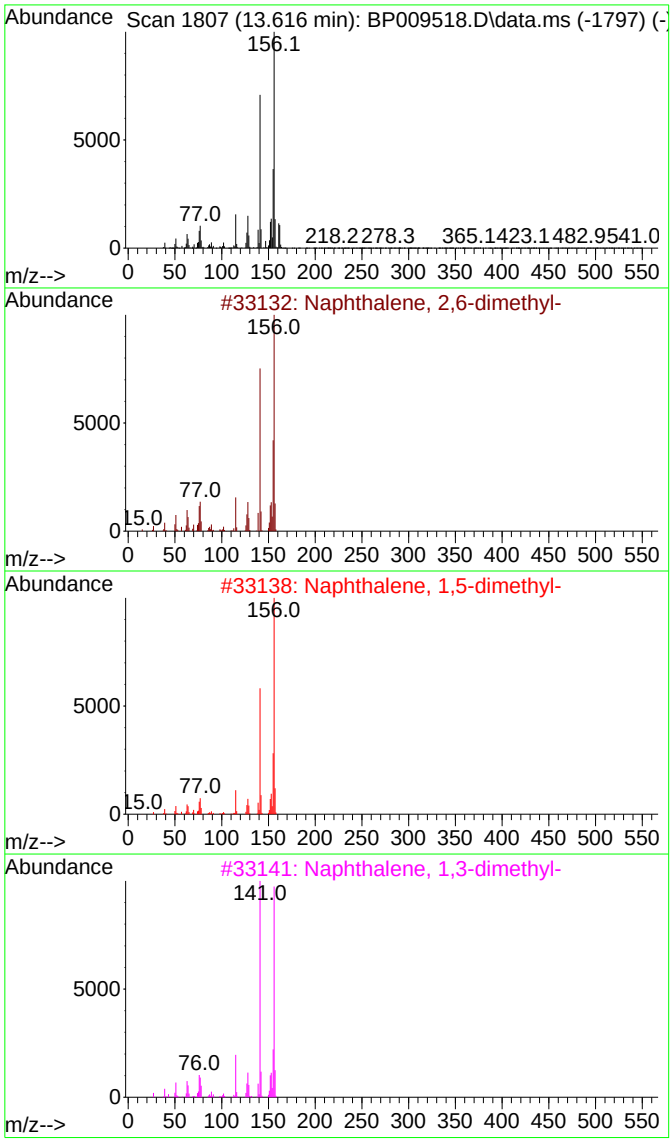
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

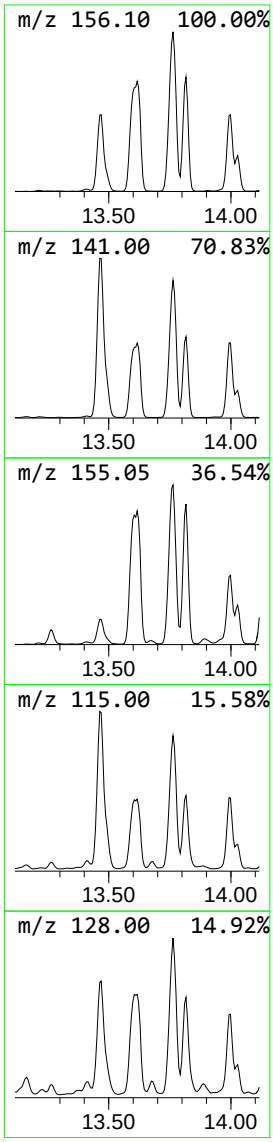
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.616	50.93 ng	32747000	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, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

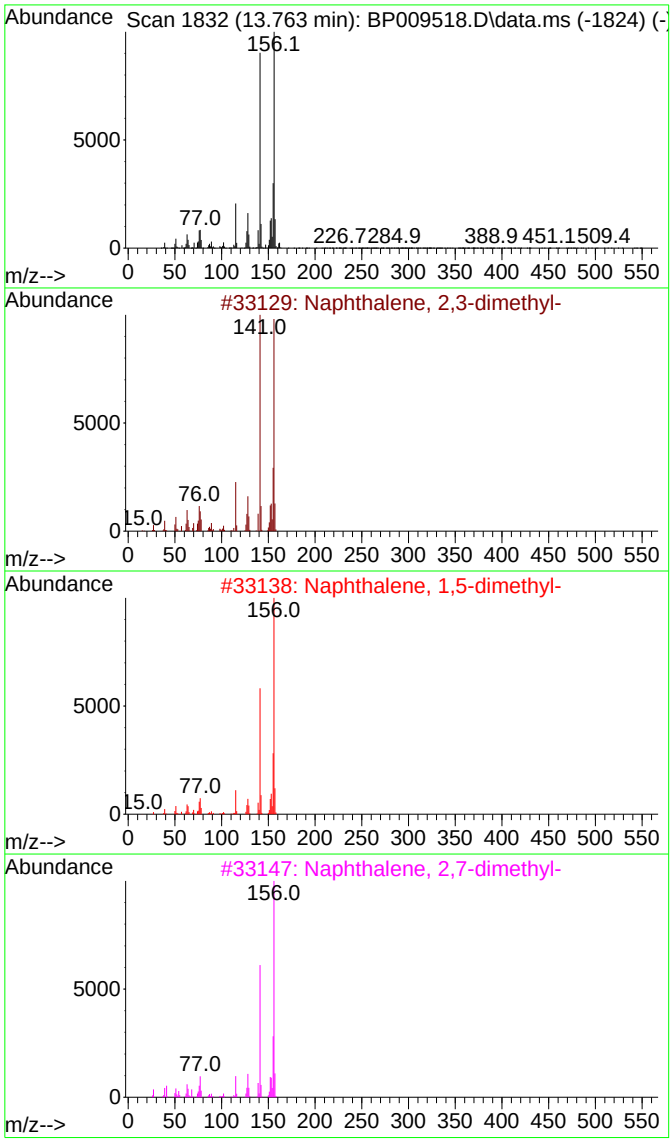
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

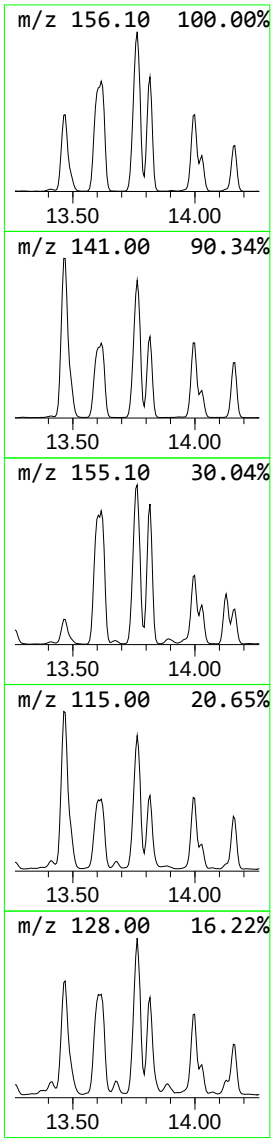
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.763	54.42 ng	34991700	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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

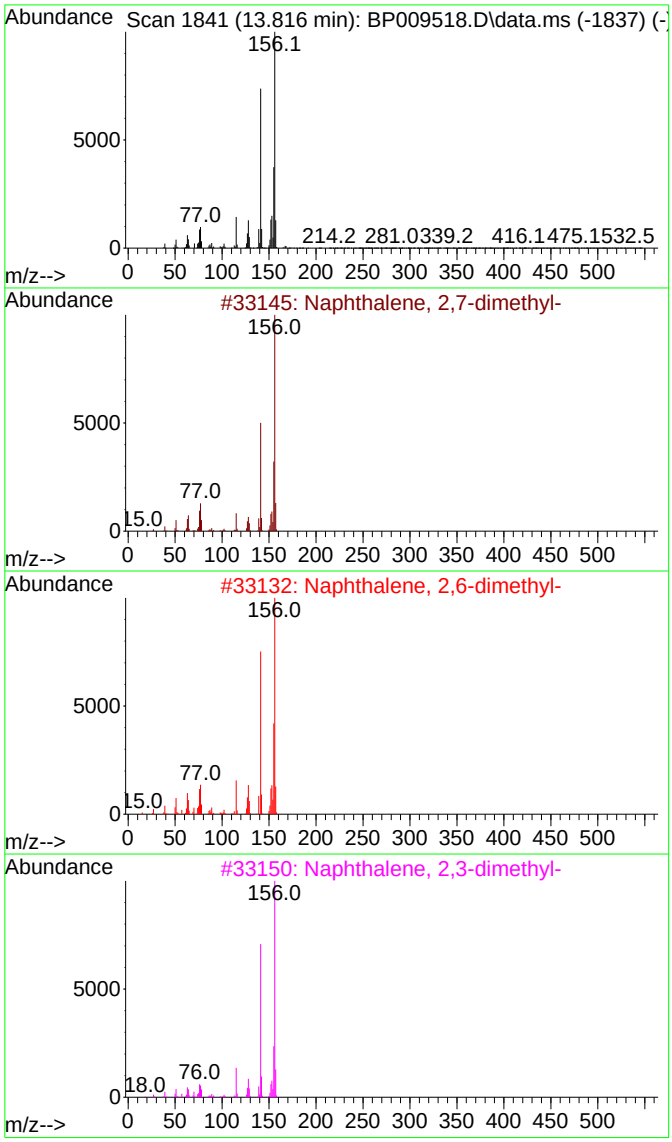
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

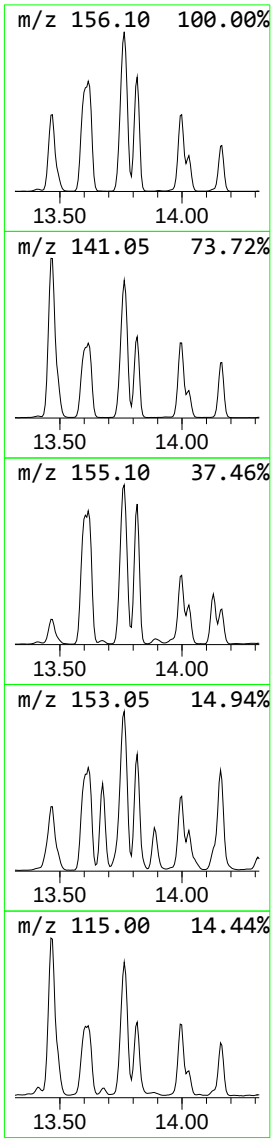
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	32.22 ng	20717000	Acenaphthene-d10	14.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13-20220316-16.0-17.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

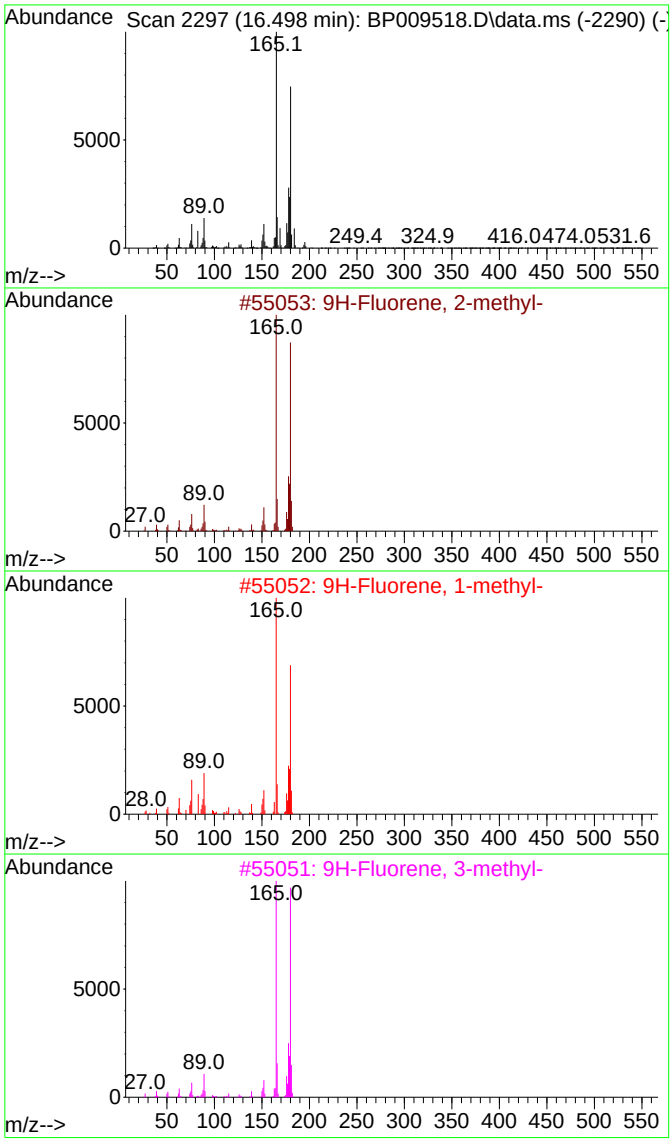
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

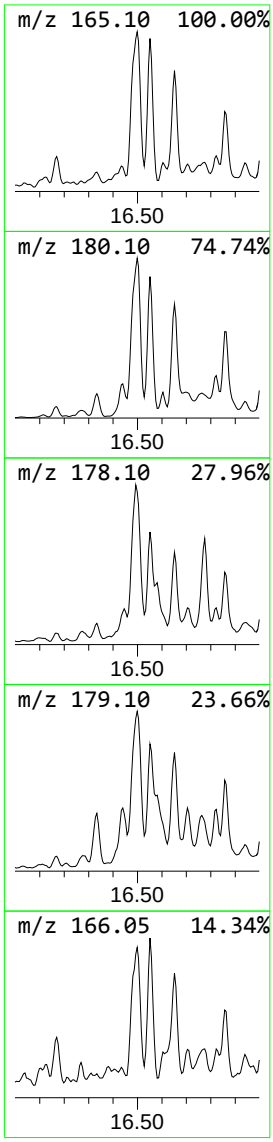
****

Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.498	43.22 ng	9683390	Phenanthrene-d10	17.204

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	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	cis-Stilbene	180	C14H12	000645-49-8	58





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Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13-20220316-16.0-17.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

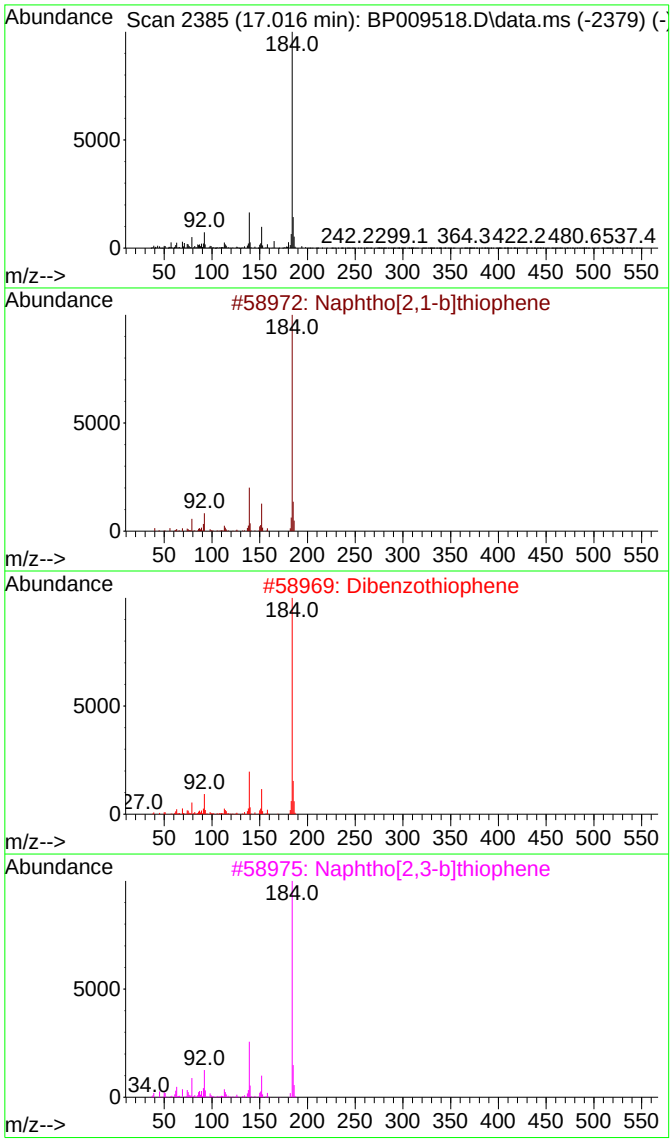
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

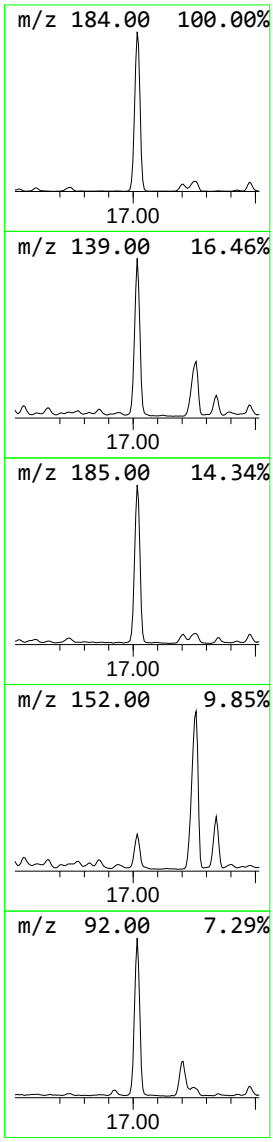
****

Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.016	70.13 ng	15714700	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

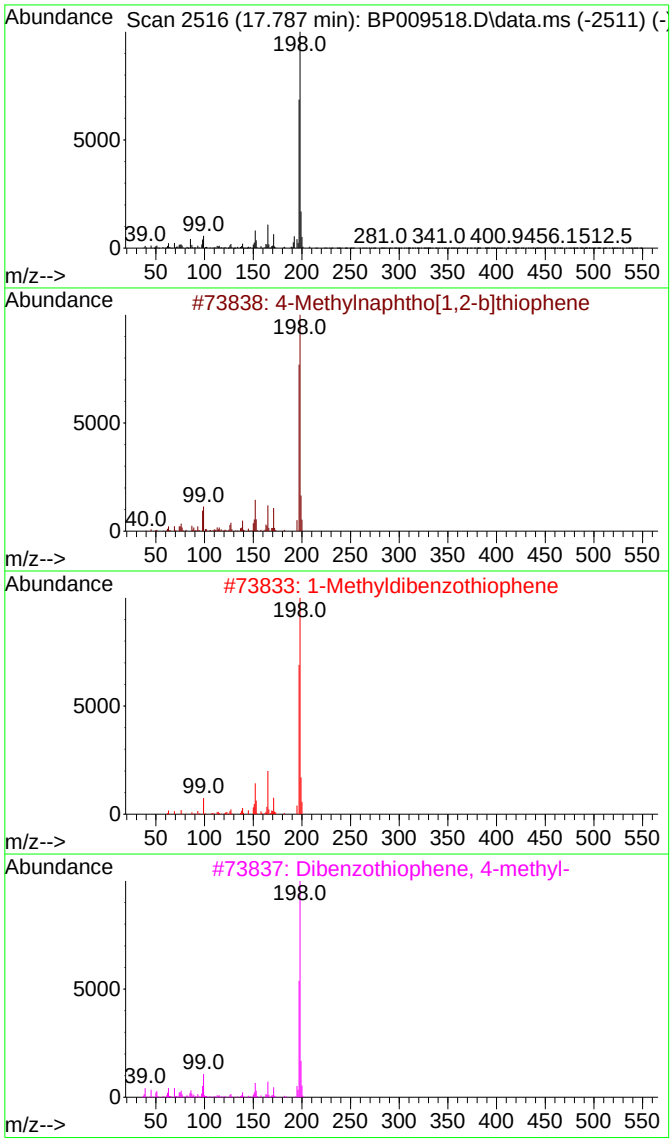
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

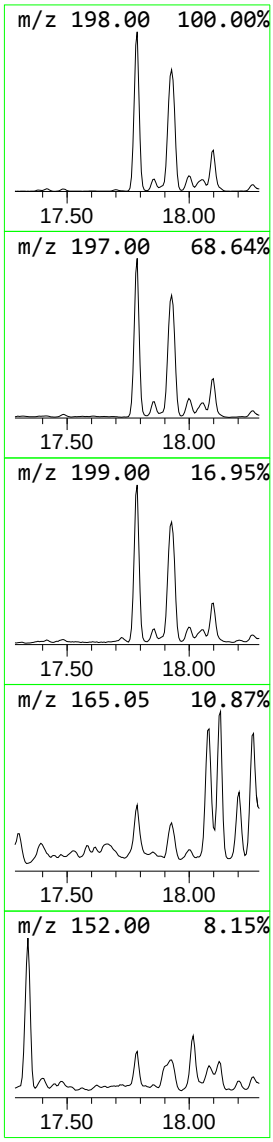
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.787	32.98 ng	7390680	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	97
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
4	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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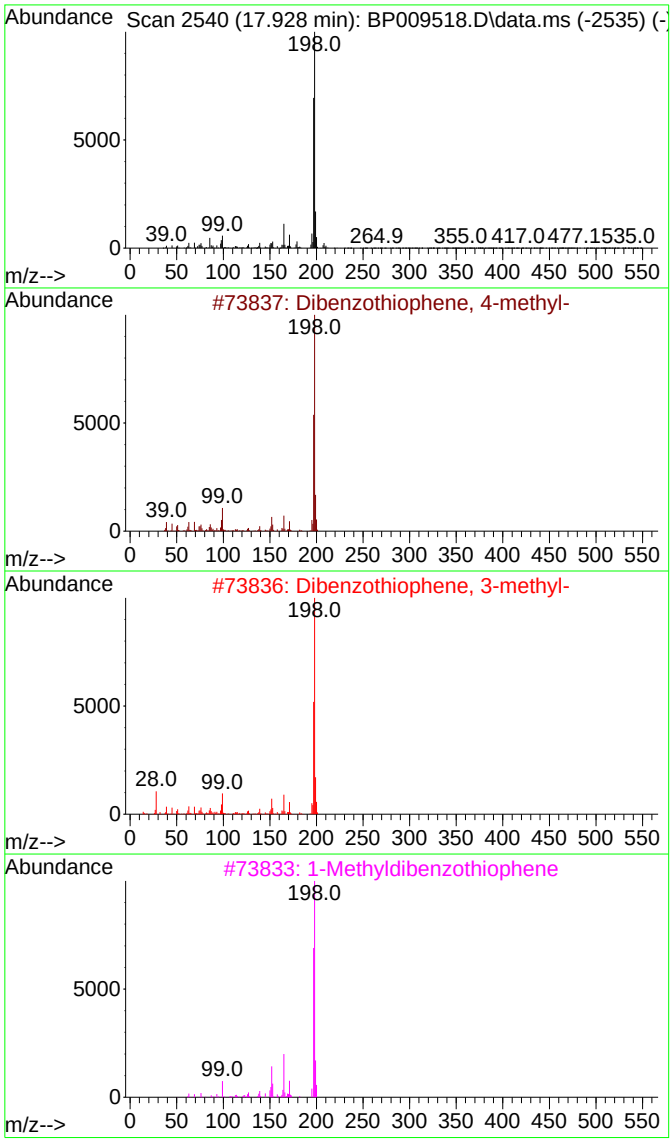
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

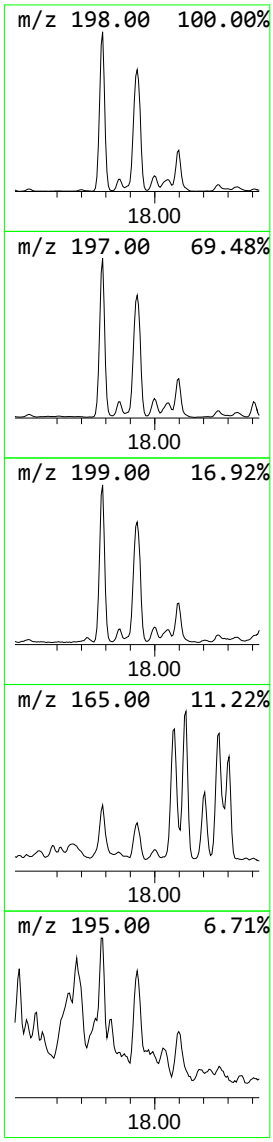
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Dibenzothiophene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.928	31.44 ng	7045810	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	90





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Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13-20220316-16.0-17.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

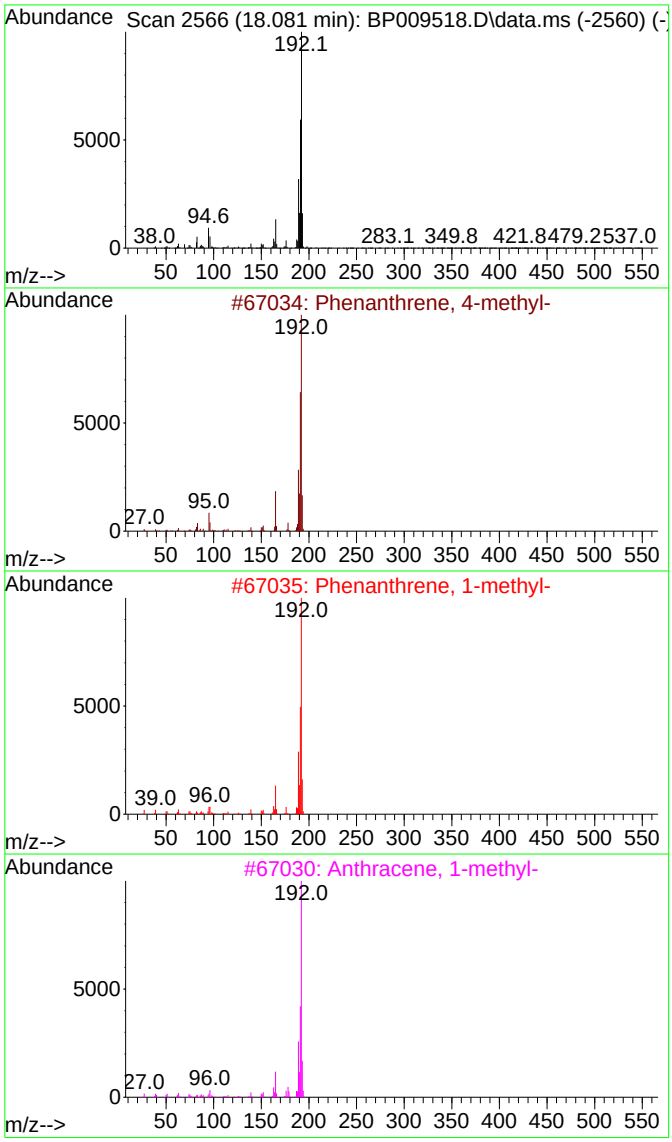
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

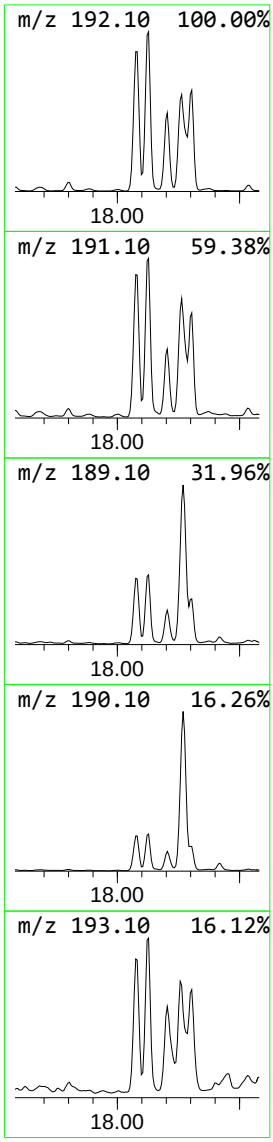
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.081	78.94 ng	17687300	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 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

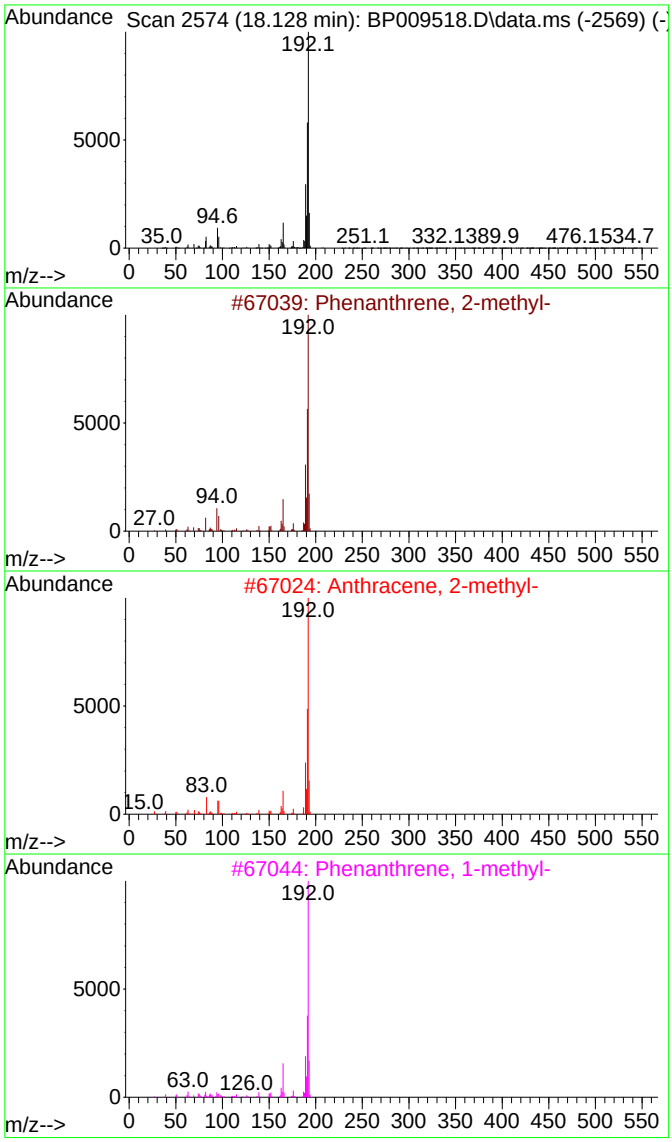
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

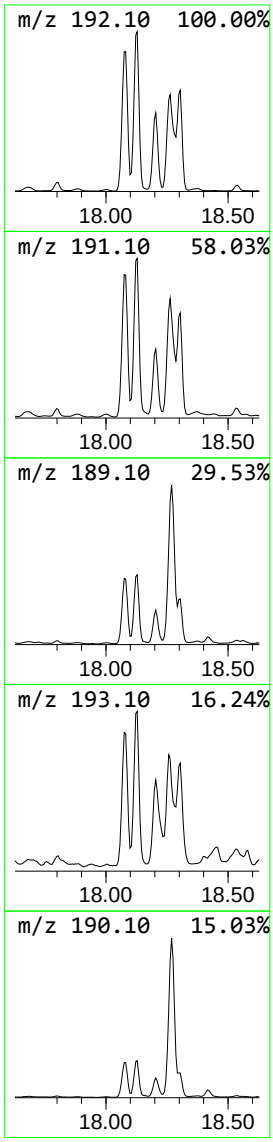
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.128	79.03 ng	17708300	Phenanthrene-d10	17.204

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





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Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-13-20220316-16.0-17.0

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

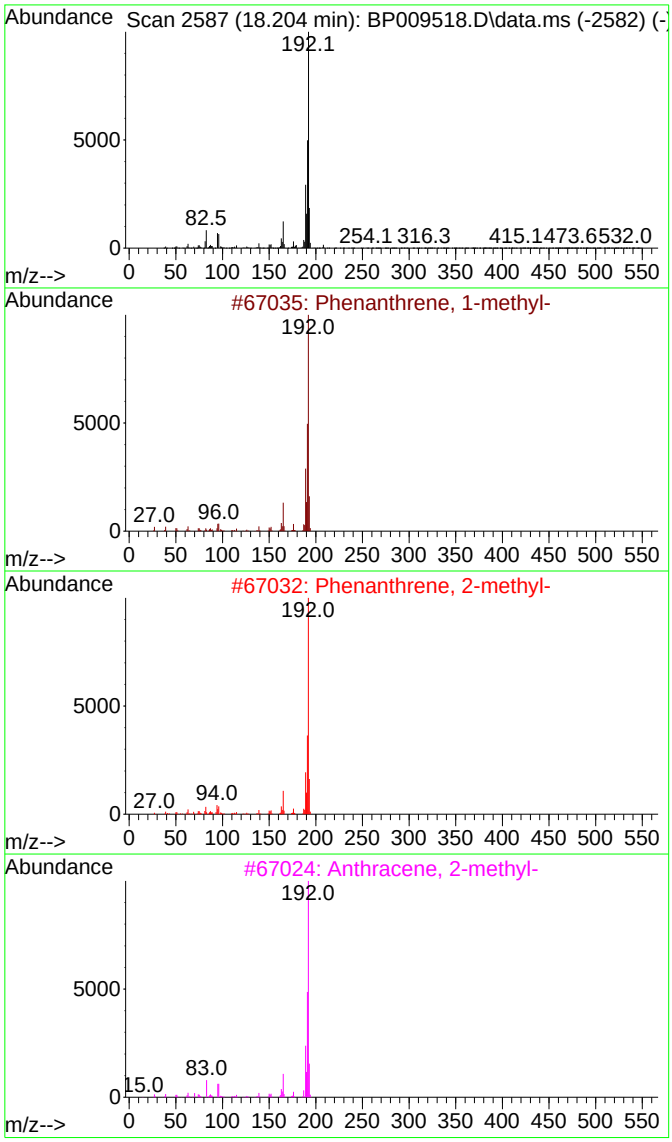
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

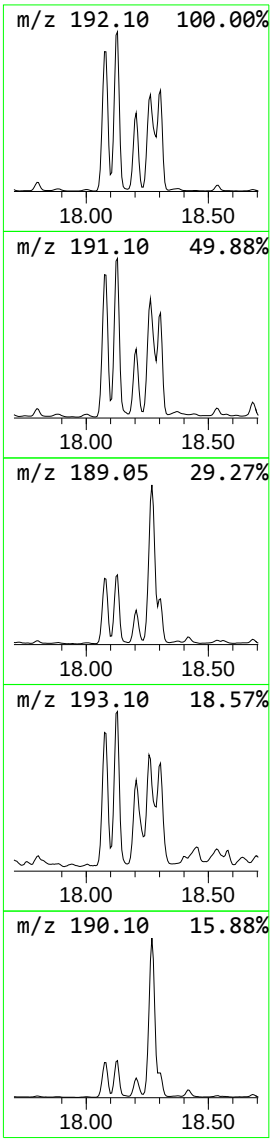
****

Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.204	37.29 ng	8356350	Phenanthrene-d10	17.204

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, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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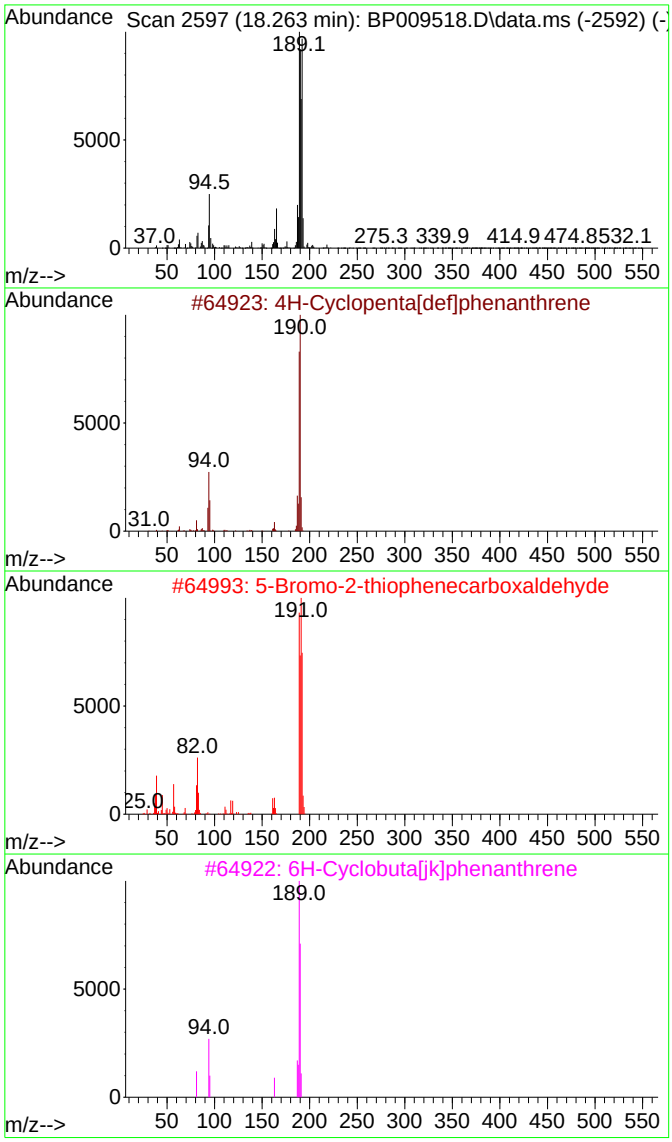
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

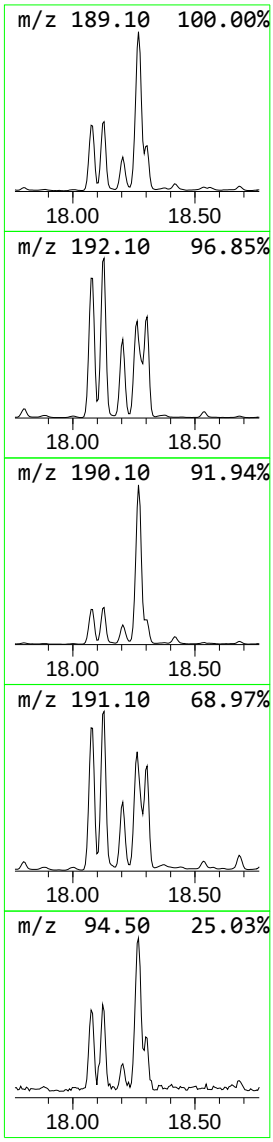
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	109.47 ng	24530000	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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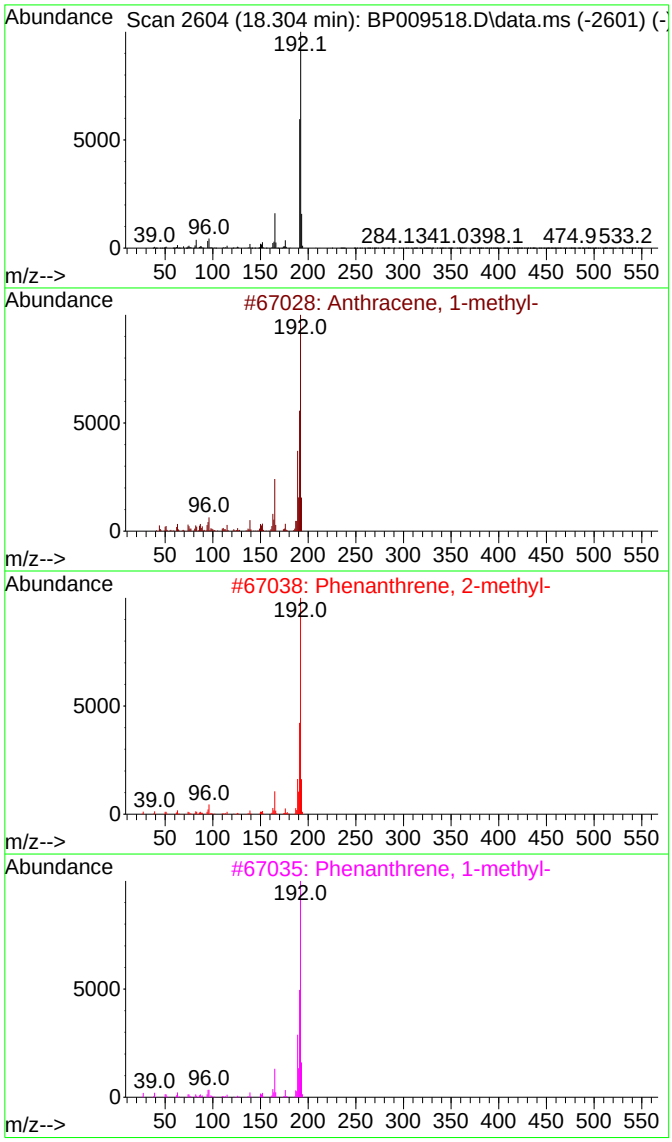
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

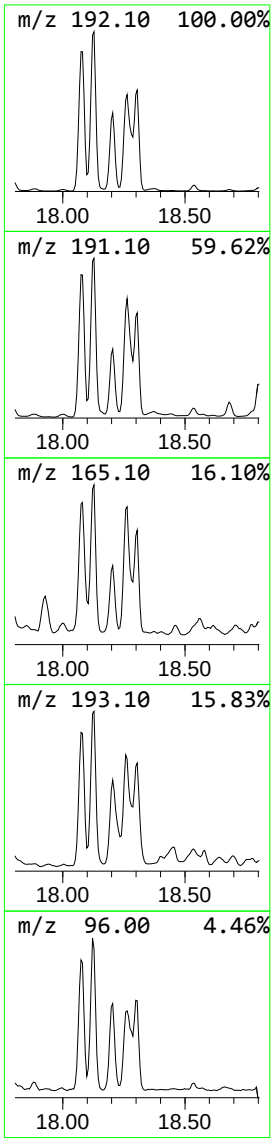
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.304	42.73 ng	9574040	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : N1960-15 2X
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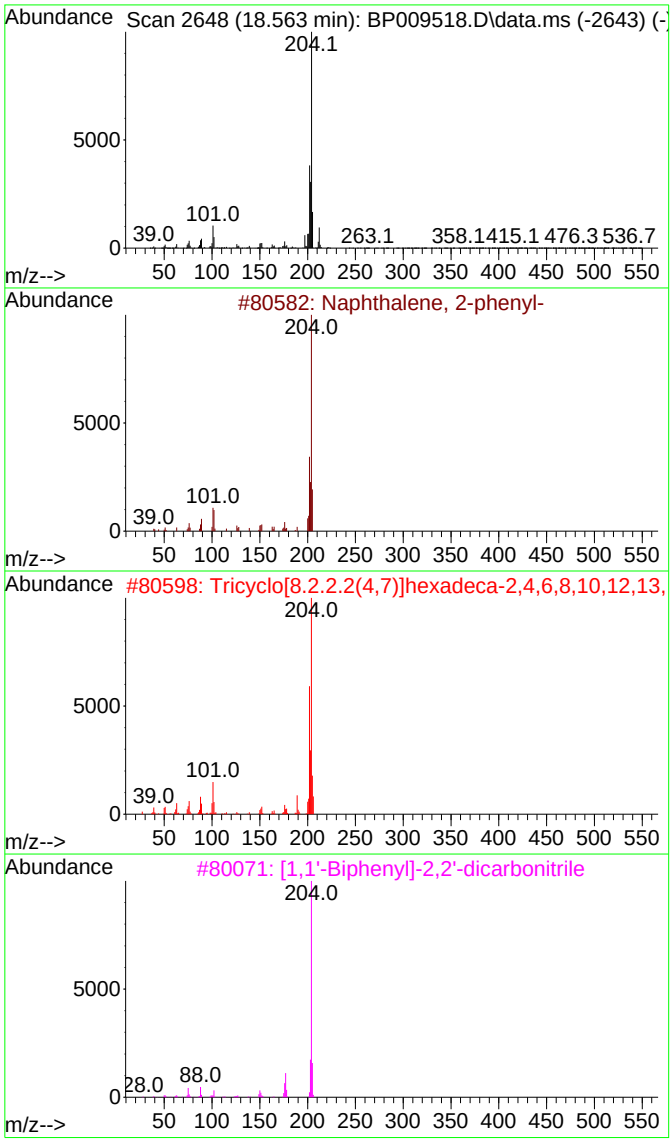
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

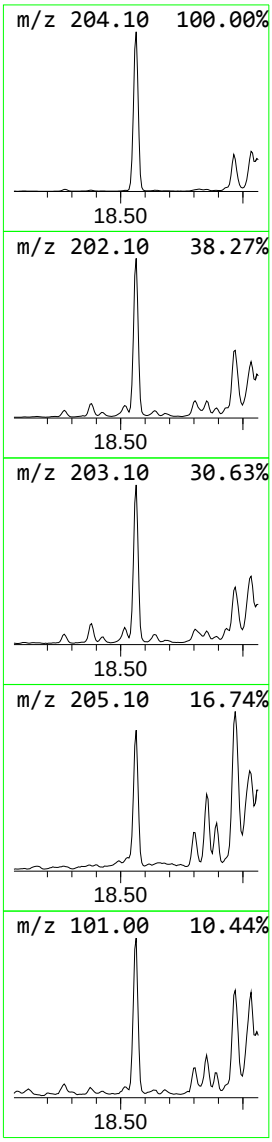
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.563	36.27 ng	8127850	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

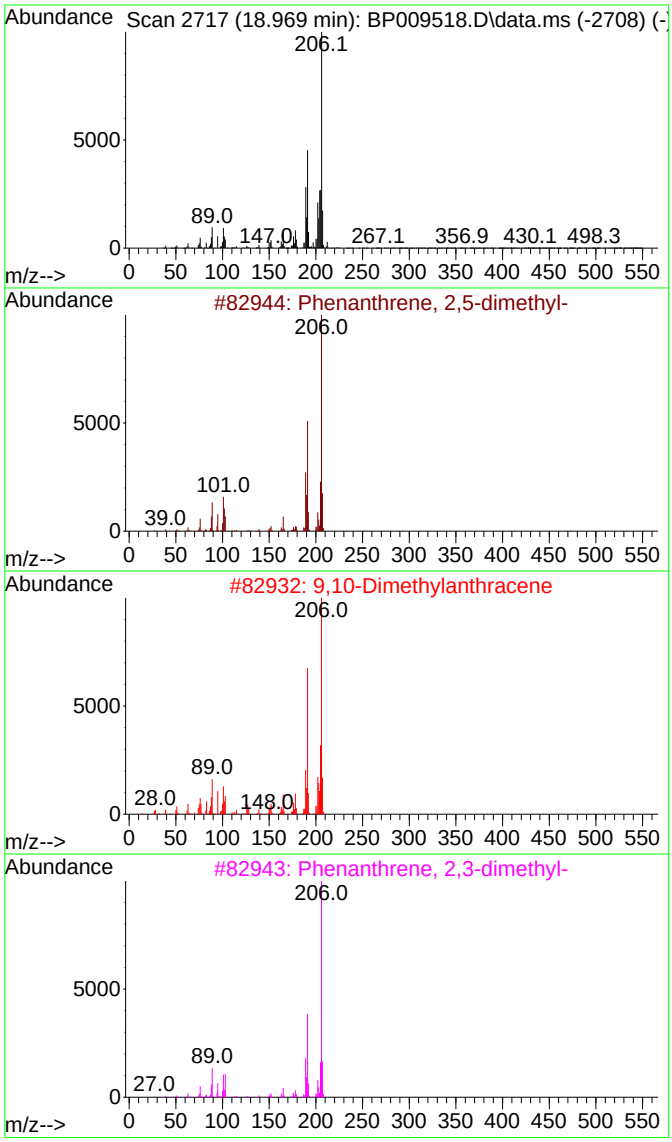
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

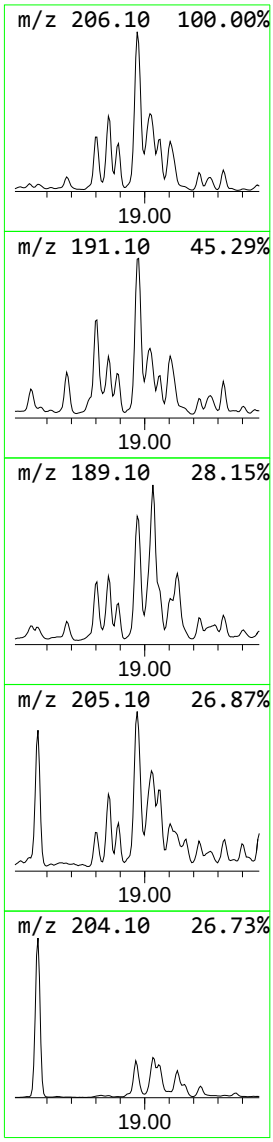
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.969	59.00 ng	13220000	Phenanthrene-d10	17.204

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

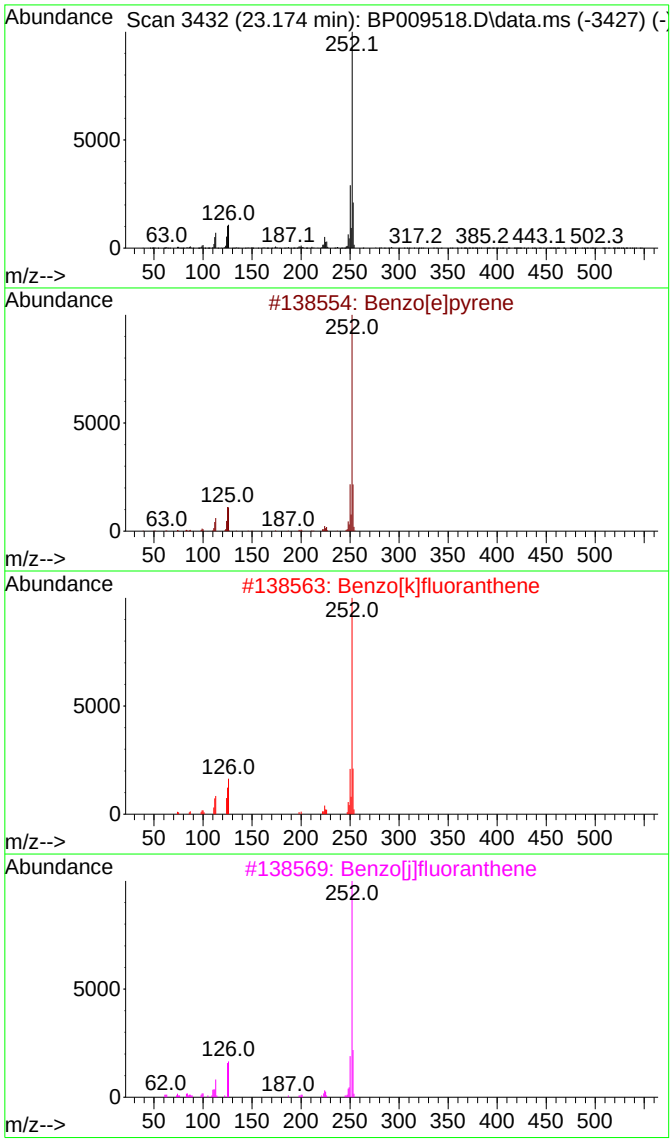
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

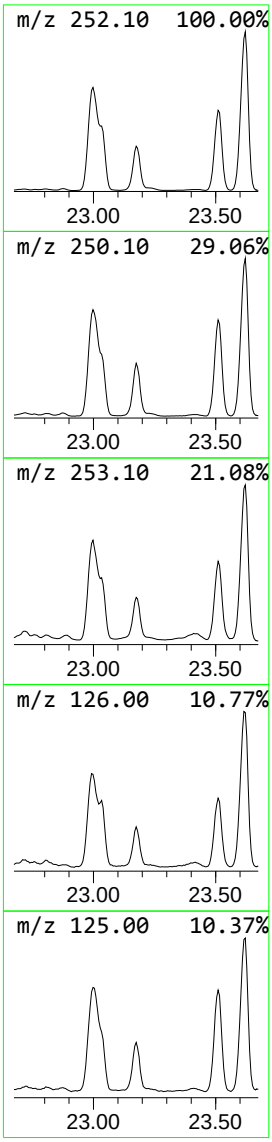
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.174	33.97 ng	4723200	Perylene-d12	23.721

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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

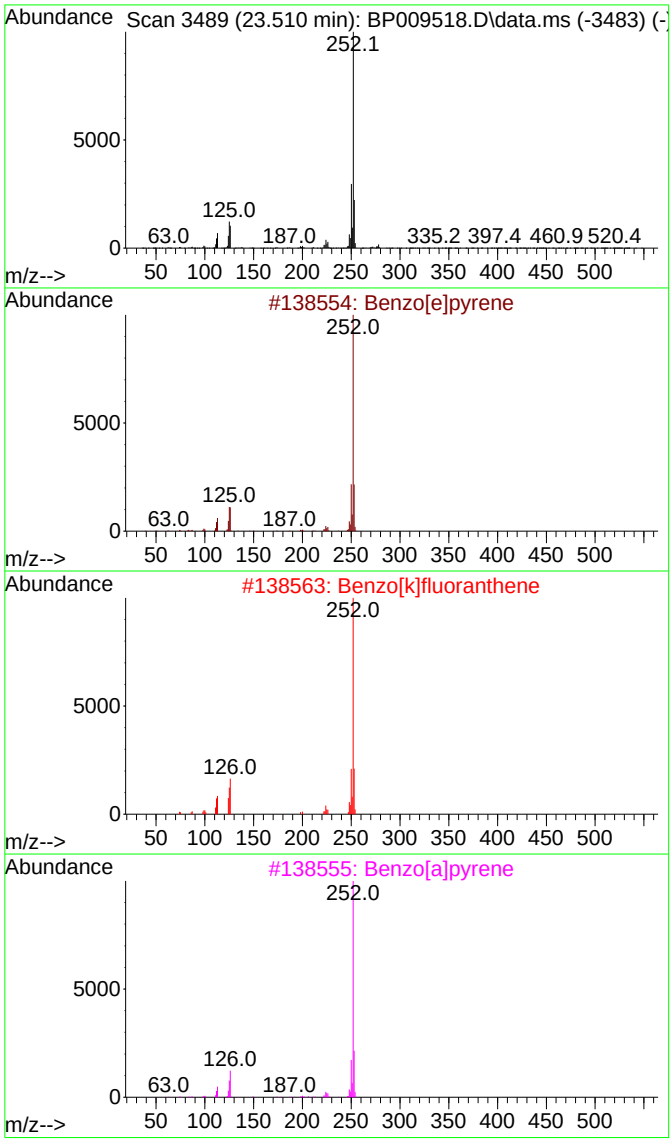
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

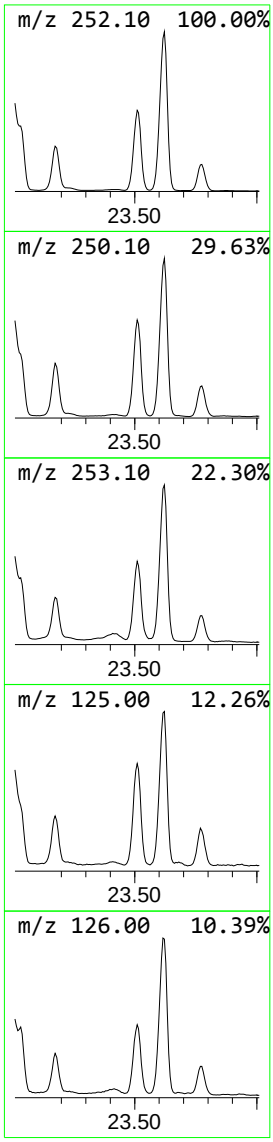
****

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.510	73.19 ng	10176100	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	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032322\
Data File : BP009518.D
Acq On : 23 Mar 2022 22:00
Operator : CG/JU
Sample : N1960-15 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-13-20220316-16.0-17.0

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
o-Cymene	8.428	42.3	ng	6595580	1	7.787	3121370	20.0
Benzene, 4-ethy...	8.893	38.1	ng	5950560	1	7.787	3121370	20.0
Naphthalene, 1-...	13.469	43.5	ng	27976300	3	14.434	12860700	20.0
Naphthalene, 2,...	13.616	50.9	ng	32747000	3	14.434	12860700	20.0
Naphthalene, 2,...	13.763	54.4	ng	34991700	3	14.434	12860700	20.0
Naphthalene, 2,...	13.816	32.2	ng	20717000	3	14.434	12860700	20.0
9H-Fluorene, 2-...	16.498	43.2	ng	9683390	4	17.204	4481490	20.0
Naphtho[2,1-b]t...	17.016	70.1	ng	15714700	4	17.204	4481490	20.0
4-Methylnaphtho...	17.787	33.0	ng	7390680	4	17.204	4481490	20.0
Dibenzothiophen...	17.928	31.4	ng	7045810	4	17.204	4481490	20.0
Phenanthrene, 4...	18.081	78.9	ng	17687300	4	17.204	4481490	20.0
Phenanthrene, 2...	18.128	79.0	ng	17708300	4	17.204	4481490	20.0
Phenanthrene, 1...	18.204	37.3	ng	8356350	4	17.204	4481490	20.0
4H-Cyclopenta[d...	18.263	109.5	ng	24530000	4	17.204	4481490	20.0
Anthracene, 1-m...	18.304	42.7	ng	9574040	4	17.204	4481490	20.0
Naphthalene, 2-...	18.563	36.3	ng	8127850	4	17.204	4481490	20.0
Phenanthrene, 2...	18.969	59.0	ng	13220000	4	17.204	4481490	20.0
Benzo[e]pyrene	23.174	34.0	ng	4723200	6	23.721	2780660	20.0
Perylene	23.510	73.2	ng	10176100	6	23.721	2780660	20.0