LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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: BP009581.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.017	3	5	26	rVB	507766	835401	3.98%	0.285%
2	5.370	396	405	434	rBV	3775705	6894000	32.87%	2.348%
3	6.958	663	675	689	rBV	3747870	7463233	35.59%	2.542%
4	7.764	805	812	820	rVV2	1133342	2080936	9.92%	0.709%
5	8.922	1002	1009	1020	rVV	2565918	4934696	23.53%	1.681%
6	9.122	1032	1043	1049	rVB7	111562	361796	1.73%	0.123%
7	9.234	1049	1062	1072	rBV3	138960	451082	2.15%	0.154%
8	10.557	1278	1287	1292	rBV	1540627	2982229	14.22%	1.016%
9	10.605	1292	1295	1304	rVB	289880	554126	2.64%	0.189%
10	10.734	1313	1317	1324	rVB	263944	442758	2.11%	0.151%
11	11.605	1458	1465	1469	rBV	407339	736829	3.51%	0.251%
12	11.999	1524	1532	1542	rBV2	206344	519894	2.48%	0.177%
13	12.222	1565	1570	1578	rVB2	281938	547040	2.61%	0.186%
14	13.034	1699	1708	1716	rBV	6721197	11057858	52.73%	3.766%
15	13.246	1737	1744	1753	rVB	356777	642546	3.06%	0.219%
16	13.587	1795	1802	1807	rBV3	145912	384337	1.83%	0.131%
17	13.734	1822	1827	1831	rVV	381020	697725	3.33%	0.238%
18	13.787	1831	1836	1840	rVV	308746	522120	2.49%	0.178%
19	13.904	1852	1856	1861	rVV2	271056	461327	2.20%	0.157%
20	13.963	1861	1866	1874	rVB3	163261	360258	1.72%	0.123%
21	14.134	1887	1895	1904	rBV	760426	1416625	6.75%	0.482%
22	14.322	1922	1927	1933	rVB	336422	512296	2.44%	0.174%
23	14.410	1933	1942	1948	rBV	2369278	4134406	19.71%	1.408%
24	14.475	1948	1953	1962	rVB3	341298	874824	4.17%	0.298%
25	14.640	1974	1981	1988	rVB3	139126	365801	1.74%	0.125%
26	14.816	2001	2011	2017	rBV2	534316	1071129	5.11%	0.365%
27	14.893	2019	2024	2029	rVB	350463	566177	2.70%	0.193%
28	15.040	2043	2049	2053	rBV	299996	609584	2.91%	0.208%
29	15.087	2054	2057	2062	rVB	273683	395574	1.89%	0.135%
30	15.210	2073	2078	2083	rBV2	194833	349863	1.67%	0.119%
31	15.281	2086	2090	2095	rVB2	350900	462528	2.21%	0.158%
32	15.351	2097	2102	2105	rVV	229770	370941	1.77%	0.126%
33	15.393	2105	2109	2116	rVB	246129	412736	1.97%	0.141%
34	15.463	2117	2121	2125	rVV2	391929	586137	2.79%	0.200%
35	15.504	2125	2128	2134	rVB4	232043	408312	1.95%	0.139%
36	15.763	2168	2172	2182	rVB2	322216	617393	2.94%	0.210%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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	15.910	2191	2197	2205	rBV	5432817	8530987	40.68%	2.905%
38	16.151	2233	2238	2247	rBV3	648478	1272981	6.07%	0.434%
39	16.834	2349	2354	2361	rBV4	514105	1010662	4.82%	0.344%
40	16.916	2362	2368	2371	rVV4	294934	774858	3.69%	0.264%
41	16.951	2371	2374	2378	rVV2	454641	709795	3.38%	0.242%
42	16.998	2378	2382	2390	rVB2	485973	928171	4.43%	0.316%
43	17.175	2406	2412	2415	rBV	2653082	4009381	19.12%	1.365%
44	17.222	2415	2420	2426	rVV	5415310	8575056	40.89%	2.920%
45	17.310	2430	2435	2441	rVB	1804954	2615007	12.47%	0.891%
46	17.375	2441	2446	2451	rBV2	489795	926474	4.42%	0.316%
47	17.492	2457	2466	2472	rVB3	575434	1368543	6.53%	0.466%
48	17.587	2478	2482	2486	rBV	373540	603906	2.88%	0.206%
49	17.698	2498	2501	2505	rVB2	470022	555350	2.65%	0.189%
50	17.763	2508	2512	2522	rVB3	666426	1193010	5.69%	0.406%
51	17.863	2525	2529	2533	rBV	622779	871849	4.16%	0.297%
52	18.051	2557	2561	2564	rBV	1411825	1887597	9.00%	0.643%
53	18.098	2564	2569	2576	rVB2	3154932	4980504	23.75%	1.696%
54	18.181	2578	2583	2586	rVV	492402	851643	4.06%	0.290%
55	18.239	2588	2593	2597	rVV2	2113139	3877480	18.49%	1.321%
56	18.275	2597	2599	2606	rVB	940097	1236621	5.90%	0.421%
57	18.369	2611	2615	2618	rBV3	493276	812381	3.87%	0.277%
58	18.439	2623	2627	2631	rVB2	588757	819448	3.91%	0.279%
59	18.539	2640	2644	2648	rBV	1493624	2187777	10.43%	0.745%
60	18.586	2649	2652	2661	rVB3	683433	1273141	6.07%	0.434%
61	18.781	2682	2685	2690	rVB2	552322	703639	3.36%	0.240%
62	18.834	2690	2694	2697	rVV	821829	1182717	5.64%	0.403%
63	18.869	2698	2700	2704	rVB	713622	887694	4.23%	0.302%
64	18.951	2710	2714	2718	rBV	1766966	2752484	13.12%	0.937%
65	19.045	2727	2730	2733	rVB	680712	795854	3.79%	0.271%
66	19.092	2734	2738	2744	rVV2	854804	1386648	6.61%	0.472%
67	19.210	2752	2758	2764	rVB	14567545	19336496	92.20%	6.585%
68	19.269	2764	2768	2771	rBV	994744	1290457	6.15%	0.439%
69	19.304	2771	2774	2778	rVB2	379893	461325	2.20%	0.157%
70	19.351	2779	2782	2786	rVB	729395	919523	4.38%	0.313%
71	19.445	2795	2798	2801	rBV	344287	390537	1.86%	0.133%
72	19.563	2808	2818	2826	rBV	12116062	20971542	100.00%	7.142%
73	19.633	2826	2830	2836	rVB2	1212300	1945692	9.28%	0.663%
74	19.757	2844	2851	2856	rBV	10377884	14116325	67.31%	4.807%
75	19.875	2866	2871	2879	rBV5	1286802	3174428	15.14%	1.081%
76	20.010	2890	2894	2896	rBV3	703972	1104102	5.26%	0.376%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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	20.045	2897	2900	2903	rVB	1309051	1564159	7.46%	0.533%
78	20.145	2913	2917	2920	rBV2	793732	1071192	5.11%	0.365%
79	20.198	2922	2926	2931	rVB2	1267180	1983809	9.46%	0.676%
80	20.339	2946	2950	2953	rBV	713425	999718	4.77%	0.340%
81	20.386	2955	2958	2961	rVB	759144	954903	4.55%	0.325%
82	20.786	3022	3026	3032	rVB	1765250	2605150	12.42%	0.887%
83	20.945	3049	3053	3056	rBV3	1147318	1725912	8.23%	0.588%
84	20.980	3057	3059	3063	rVV2	1182159	1762142	8.40%	0.600%
85	21.028	3063	3067	3072	rVV2	2336954	4741568	22.61%	1.615%
86	21.075	3073	3075	3086	rVB	1426384	2344301	11.18%	0.798%
87	21.286	3106	3111	3116	rBV3	8772030	16827214	80.24%	5.731%
88	21.333	3116	3119	3129	rVB	6914355	10641393	50.74%	3.624%
89	21.416	3130	3133	3136	rVB	899389	1029304	4.91%	0.351%
90	21.457	3137	3140	3144	rBV	828046	1077615	5.14%	0.367%
91	21.869	3208	3210	3215	rVB	1472658	1885151	8.99%	0.642%
92	21.927	3217	3220	3225	rVB	824901	1149273	5.48%	0.391%
93	22.974	3390	3398	3403	rBV	5877180	15812833	75.40%	5.385%
94	23.151	3424	3428	3434	rVB	1178009	2034238	9.70%	0.693%
95	23.486	3479	3485	3494	rVB	3516491	7375888	35.17%	2.512%
96	23.592	3496	3503	3512	rVB	5235997	11541582	55.03%	3.931%
97	23.692	3515	3520	3525	rVV2	2192840	4752000	22.66%	1.618%
98	23.751	3526	3530	3539	rVB2	1671715	3662752	17.47%	1.247%
99	26.192	3937	3945	3958	rVB2	2951260	9527571	45.43%	3.245%
100	26.957	4067	4075	4090	rVB	2116506	7188181	34.28%	2.448%

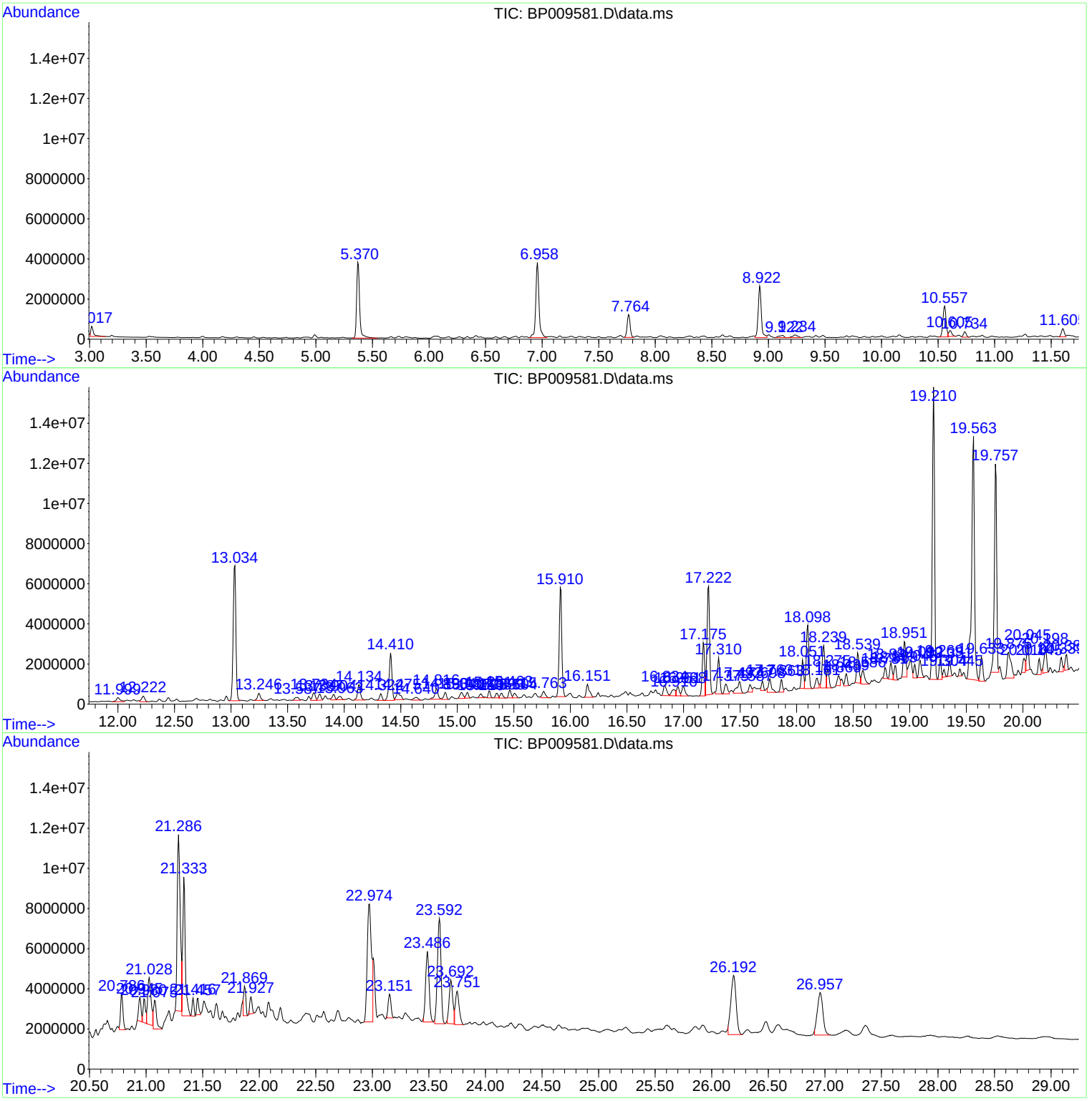
Sum of corrected areas: 293634451

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

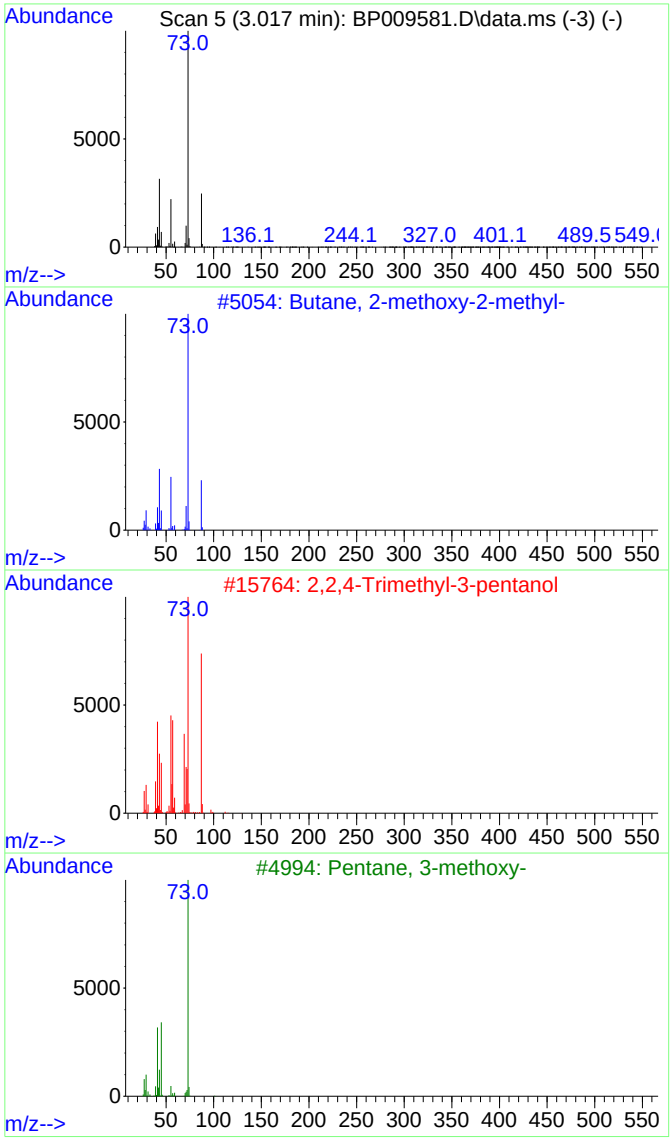
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

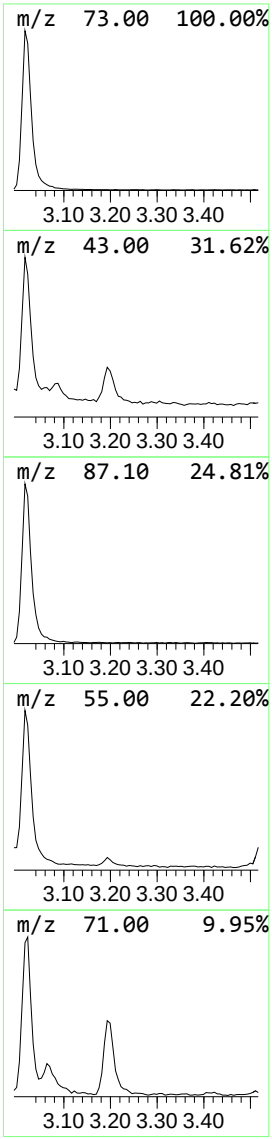
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.017	8.03 ng	835401	1,4-Dichlorobenzene-d4	7.764

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

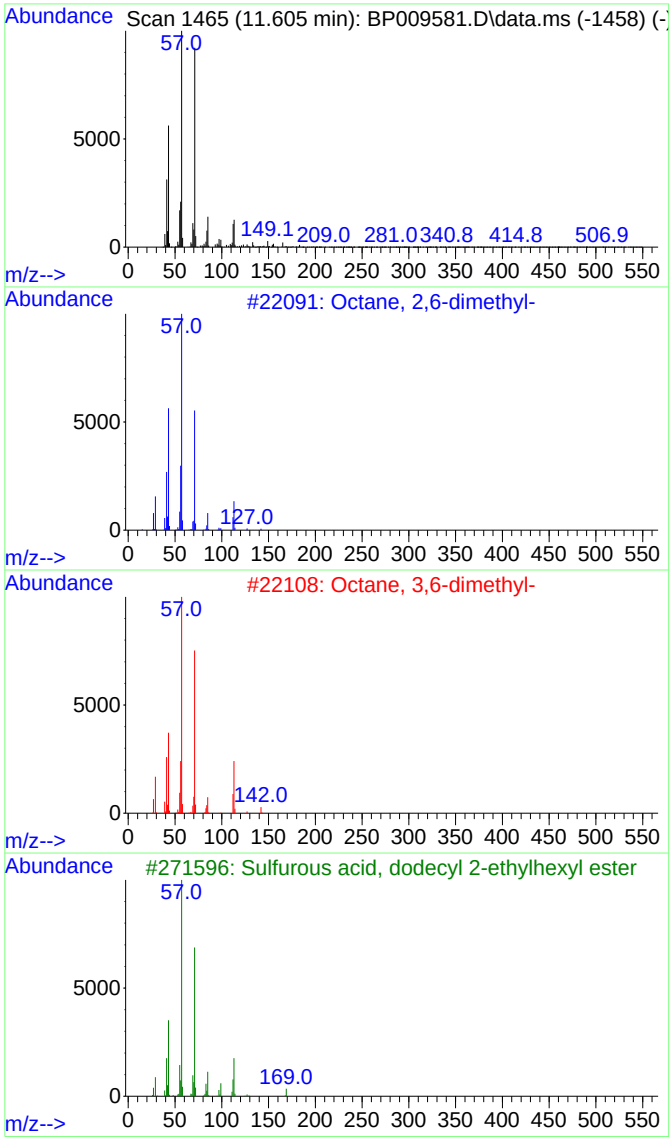
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

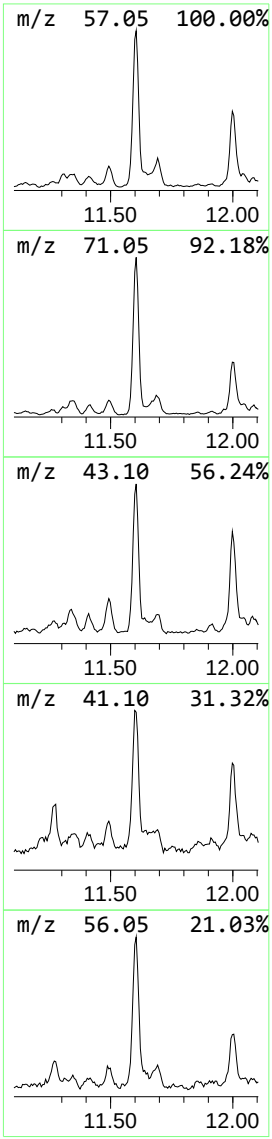
****

Peak Number 2 Octane, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.605	4.94 ng	736829	Naphthalene-d8	10.557

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	83
3	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72
4	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	64
5	Sulfurous acid, 2-ethylhexyl pen...	264	C13H28O3S	1000309-18-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

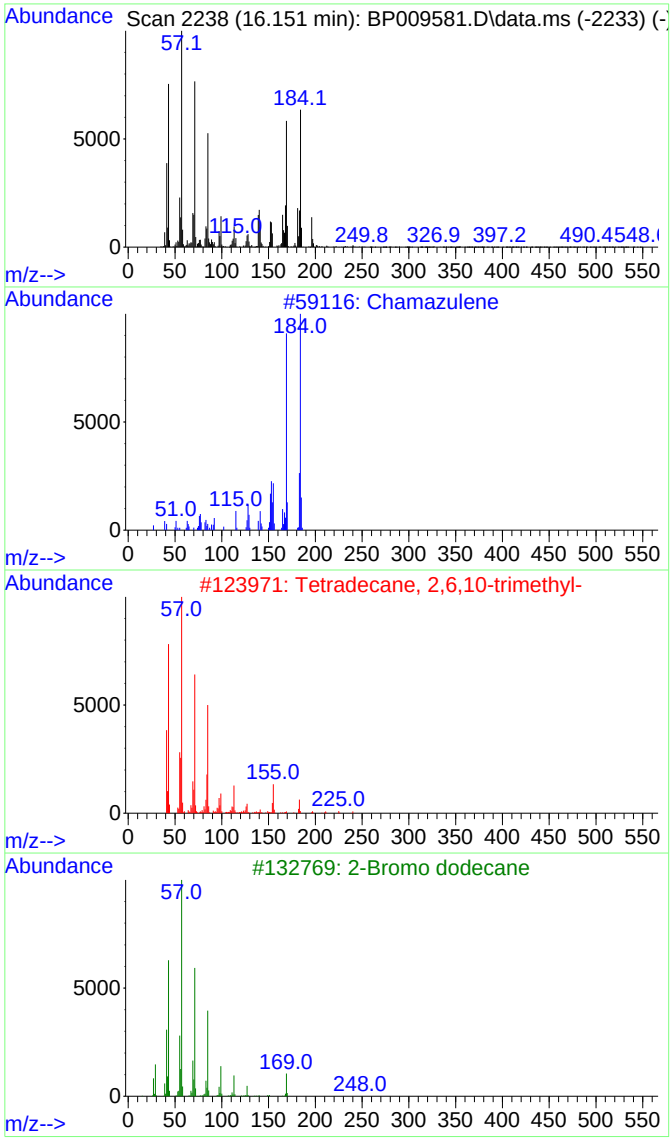
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

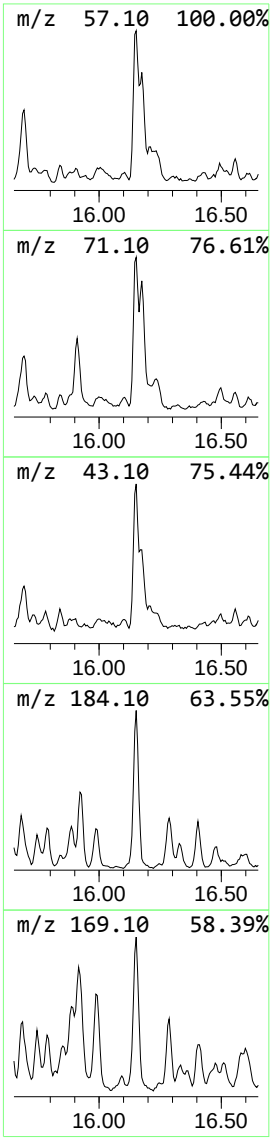
****

Peak Number 3 Chamazulene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.151	6.35 ng	1272980	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	80
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	46
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	45
4	Tridecane, 7-propyl-	226	C16H34	055045-09-5	43
5	Eicosane	282	C20H42	000112-95-8	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

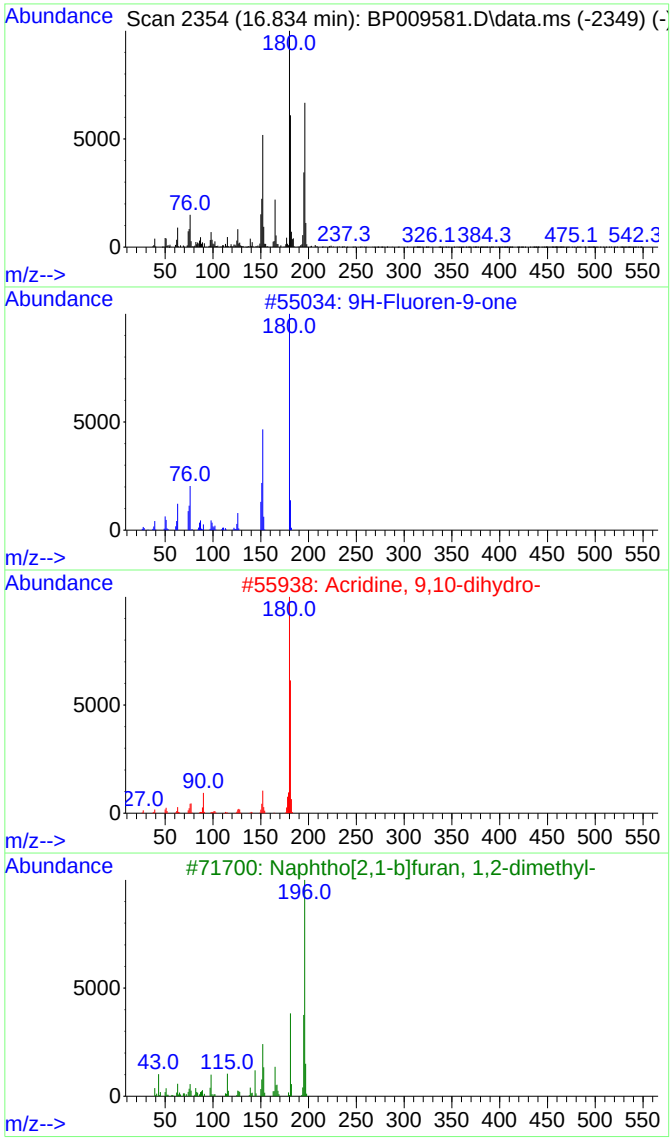
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

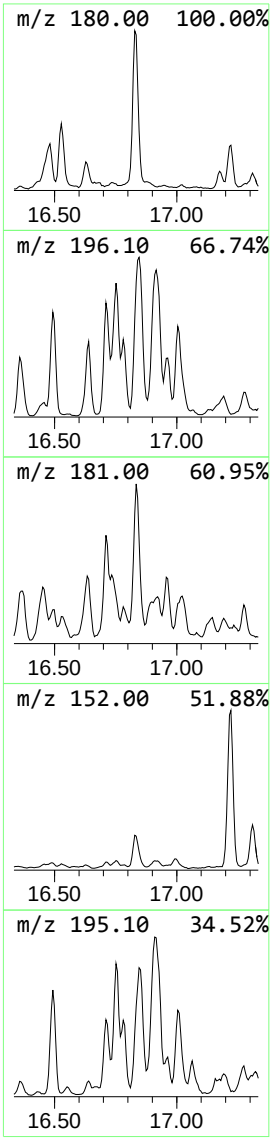
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.834	5.04 ng	1010660	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
2	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	58
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	52
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
5	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

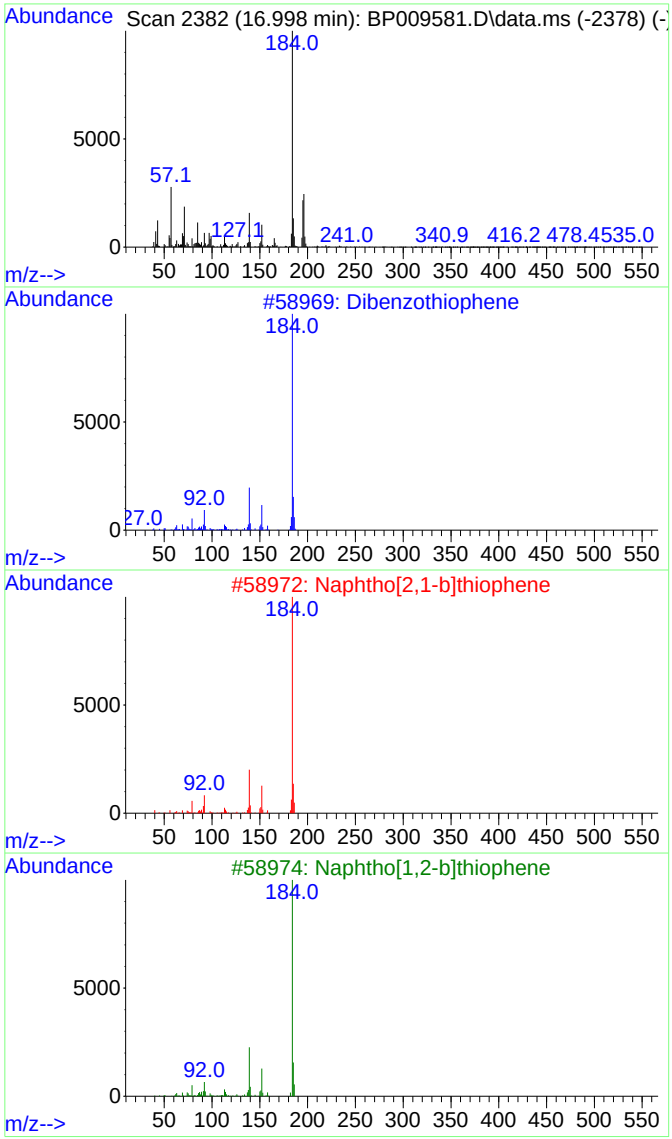
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

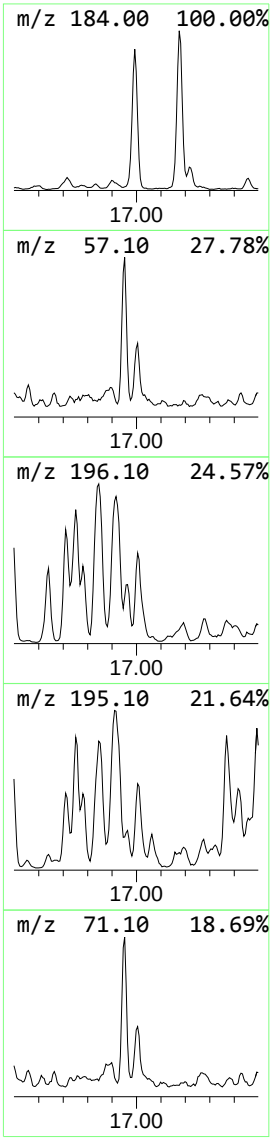
****

Peak Number 5 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.998	4.63 ng	928171	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	64
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

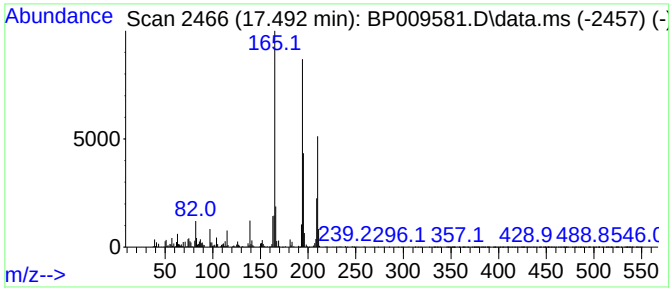
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

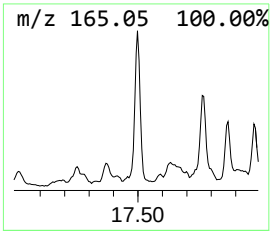
****

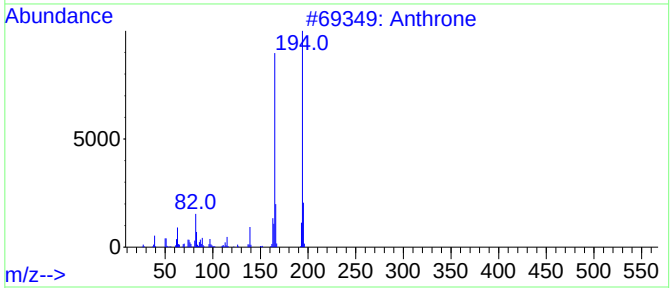
Peak Number 6 Anthrone Concentration Rank 11

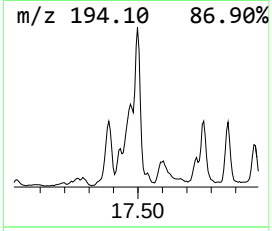
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.492	6.83 ng	1368540	Phenanthrene-d10	17.175

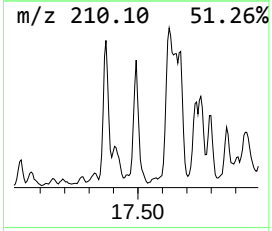
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	83
2	3-Phenanthrol	194	C14H10O	000605-87-8	64
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	58
4	1-Phenanthrenol	194	C14H10O	002433-56-9	53
5	2-Phenanthrenol	194	C14H10O	000605-55-0	52

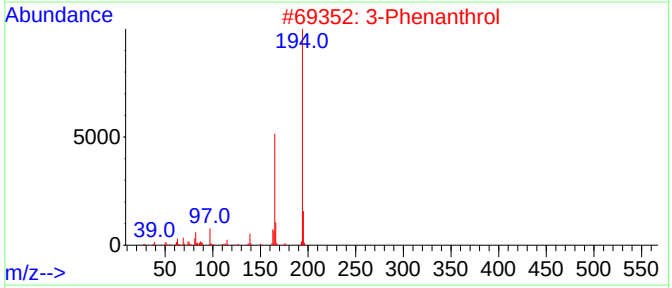


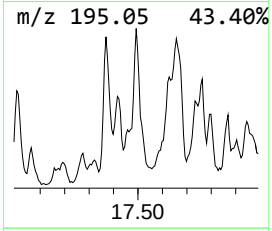


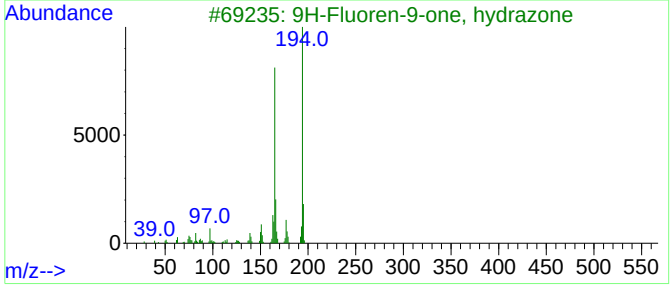


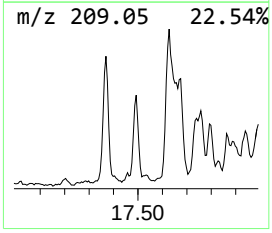












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

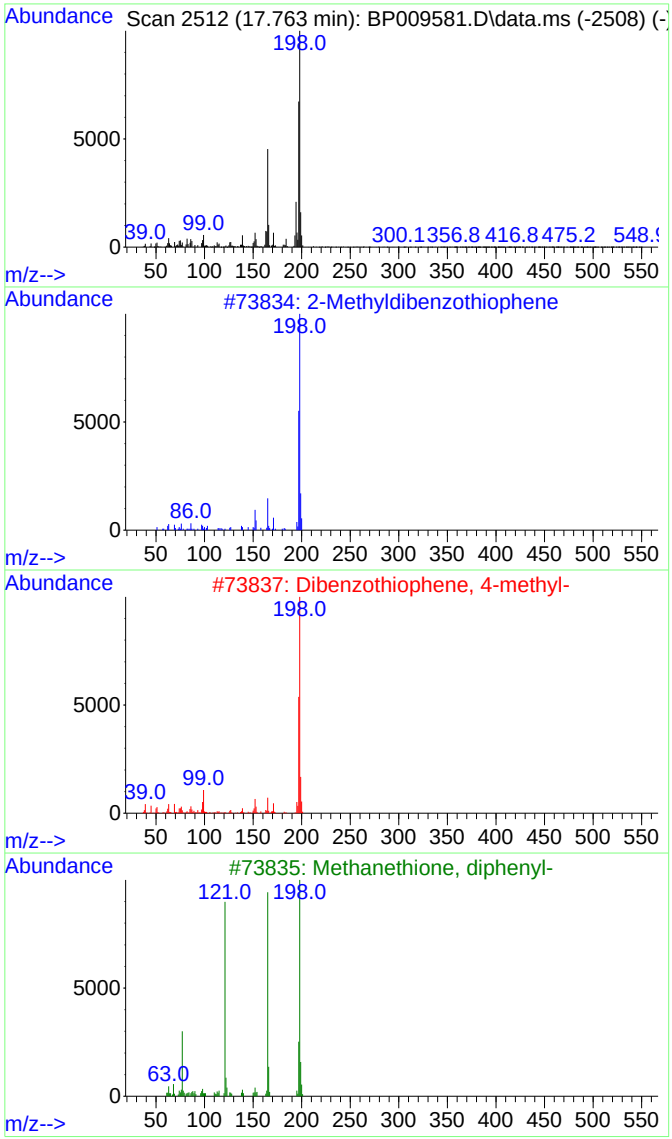
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

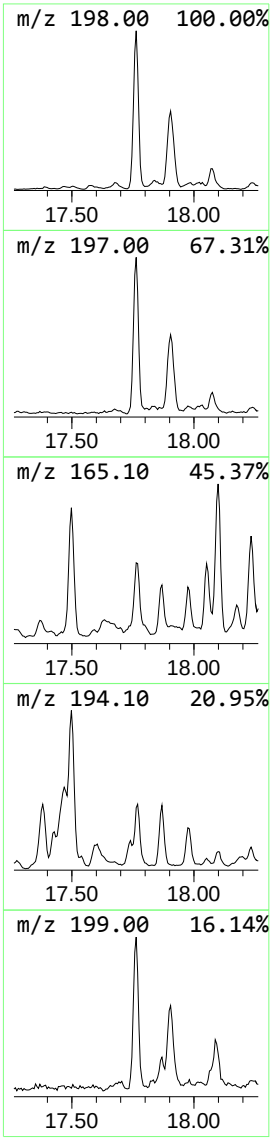
****

Peak Number 7 2-Methyldibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.763	5.95 ng	1193010	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	83
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Methanethione, diphenyl-	198	C13H10S	001450-31-3	59
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	52
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

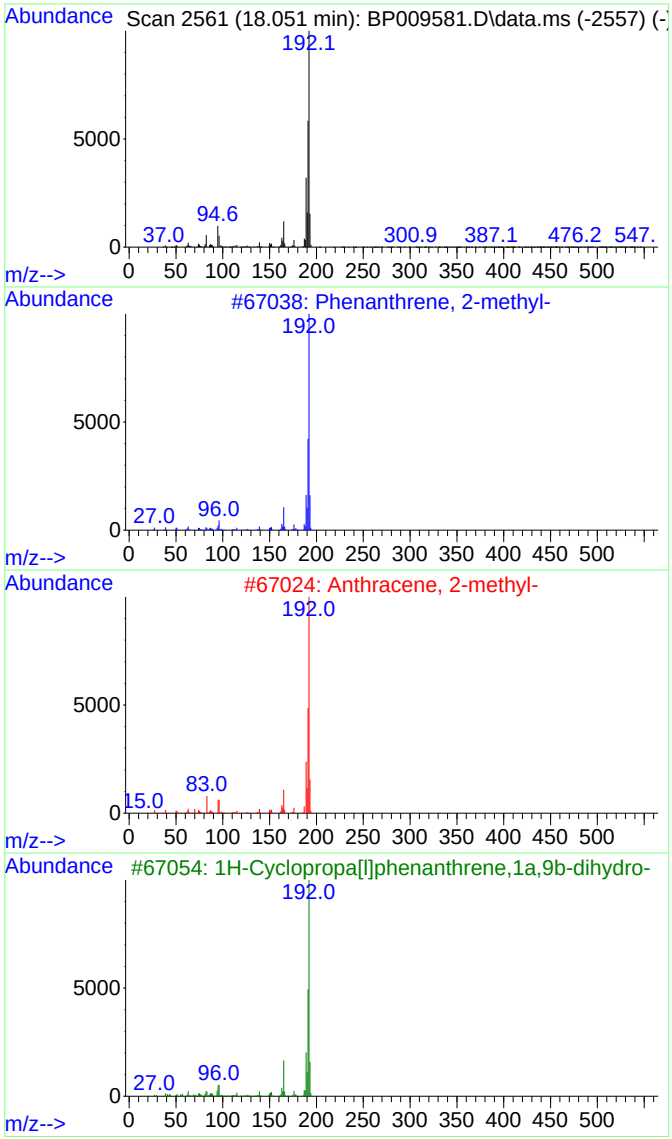
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

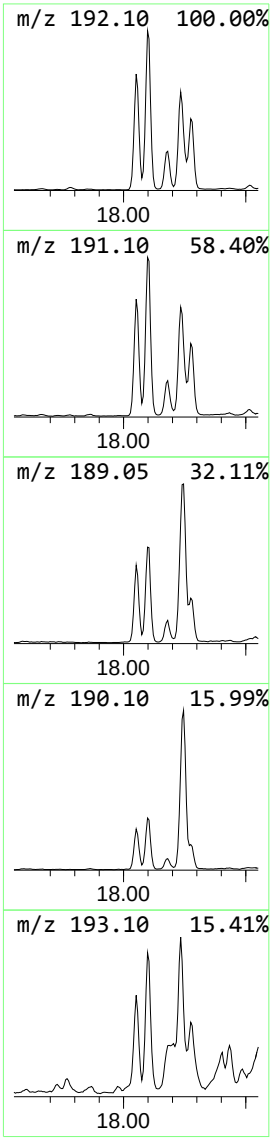
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	9.42 ng	1887600	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

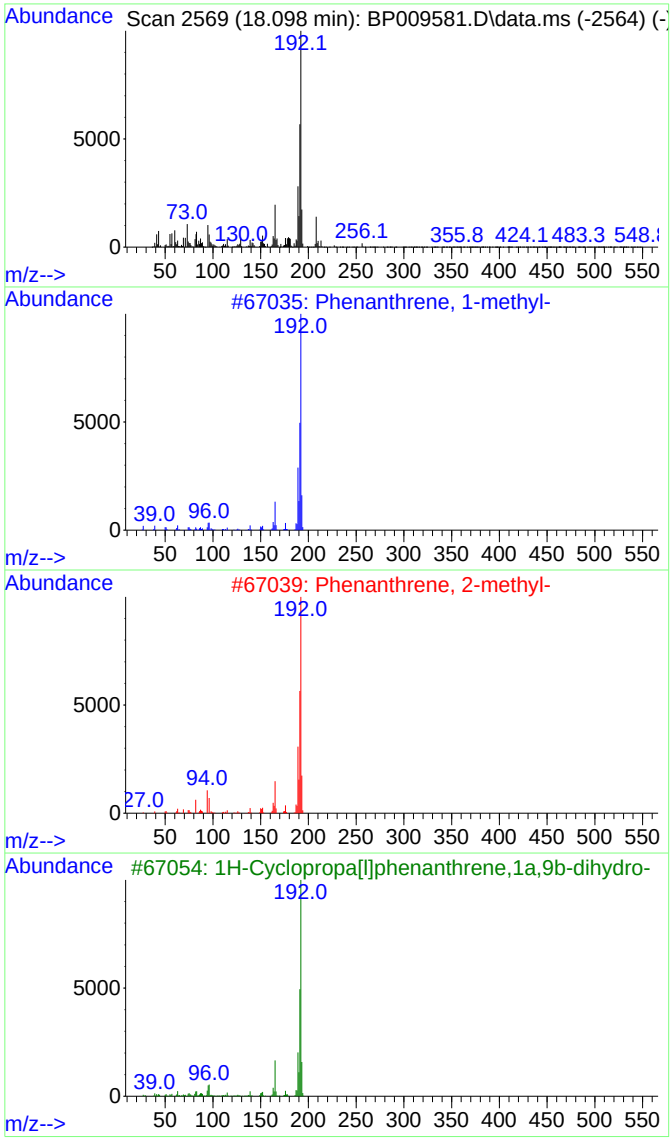
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

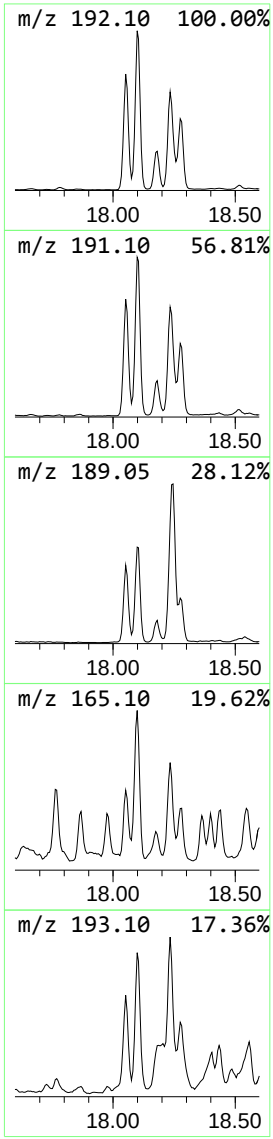
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	24.84 ng	4980500	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

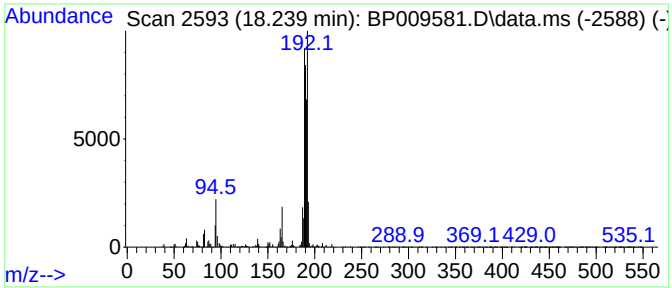
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

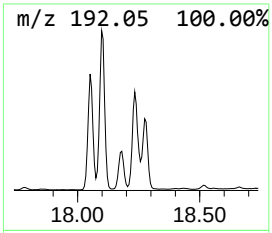
****

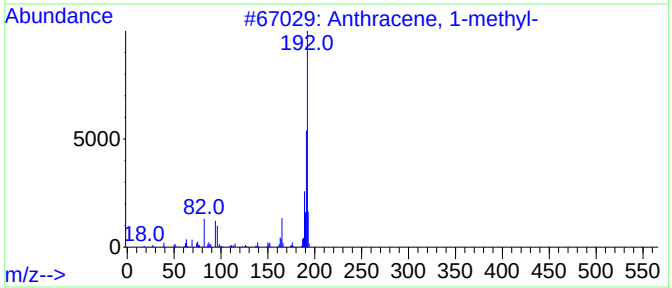
Peak Number 10 Anthracene, 1-methyl- Concentration Rank 3

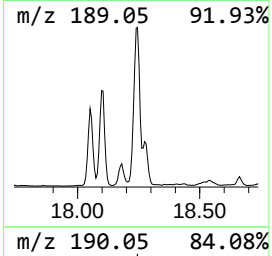
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	19.34 ng	3877480	Phenanthrene-d10	17.175

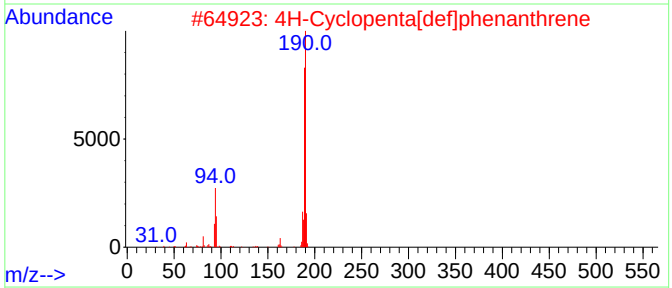
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46

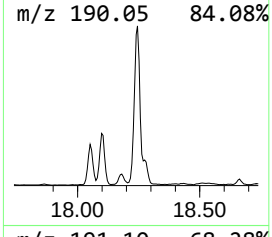


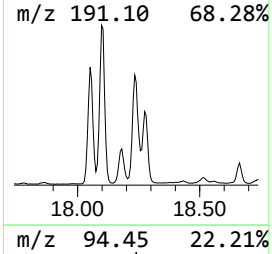


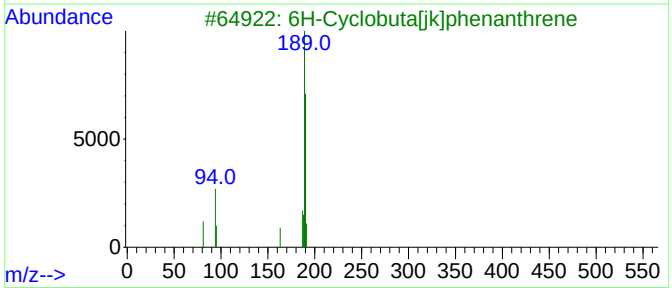


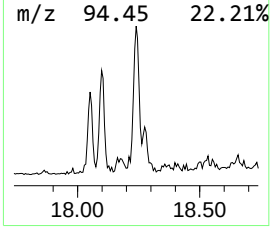












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

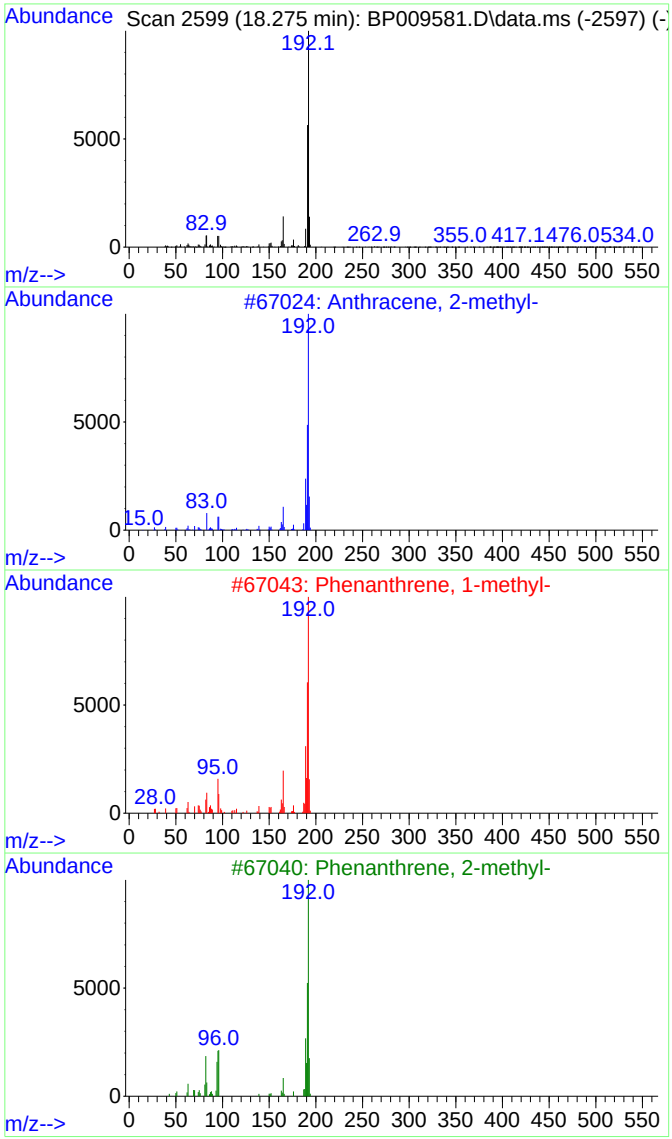
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

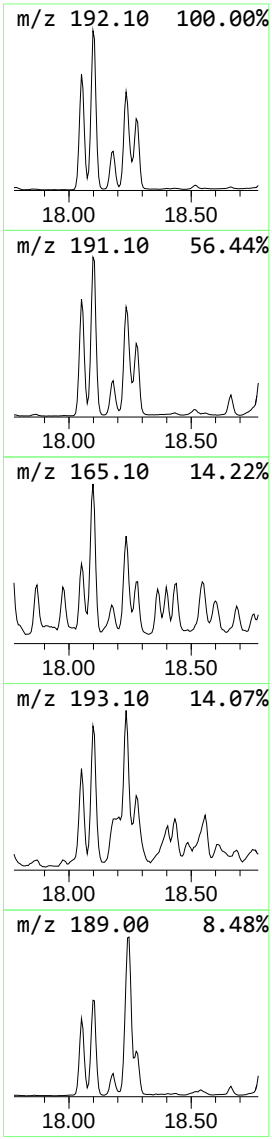
****

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.275	6.17 ng	1236620	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

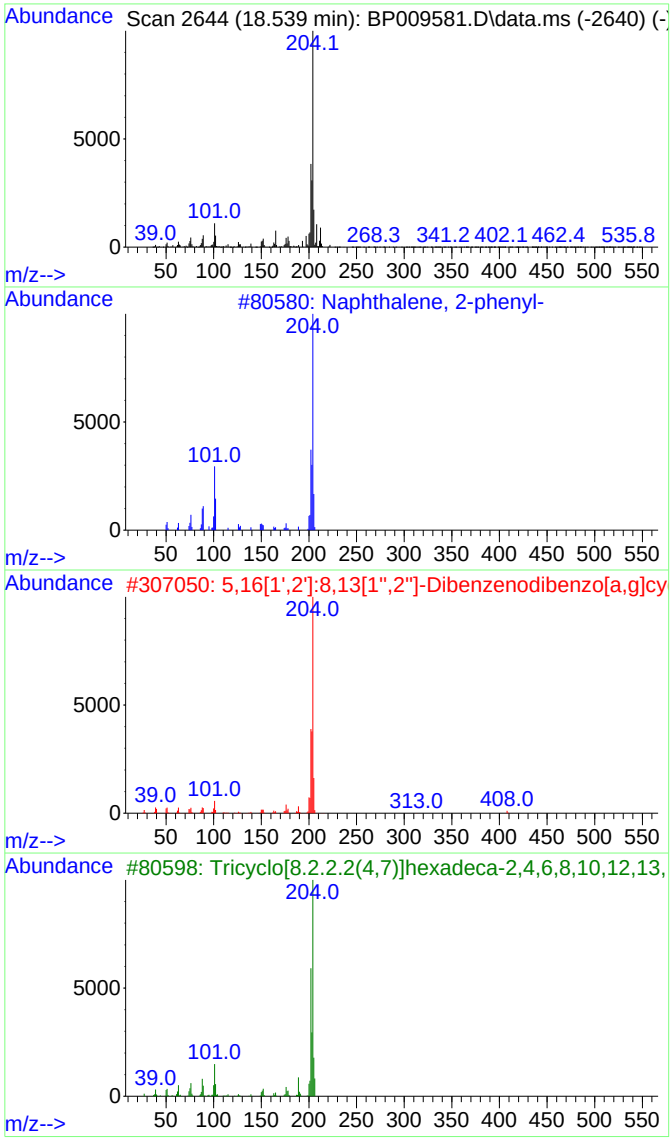
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

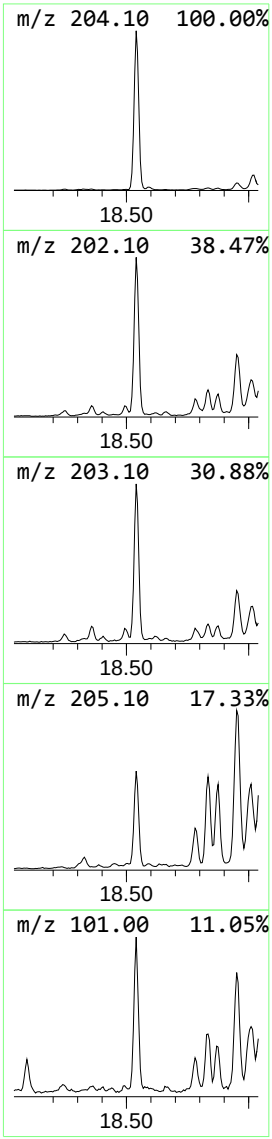
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	10.91 ng	2187780	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

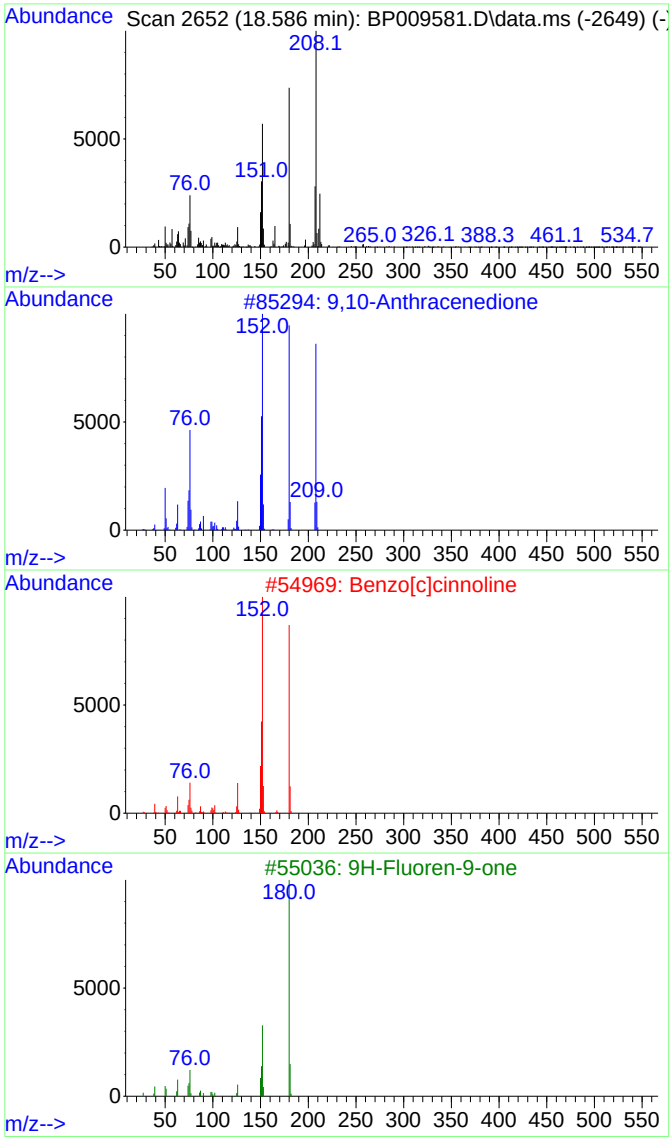
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

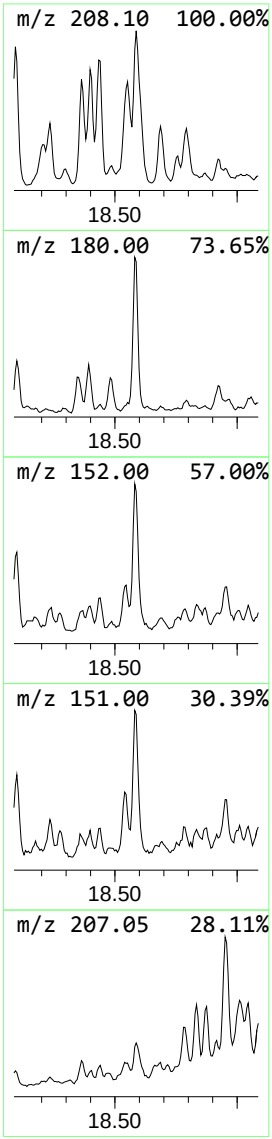
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.587	6.35 ng	1273140	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

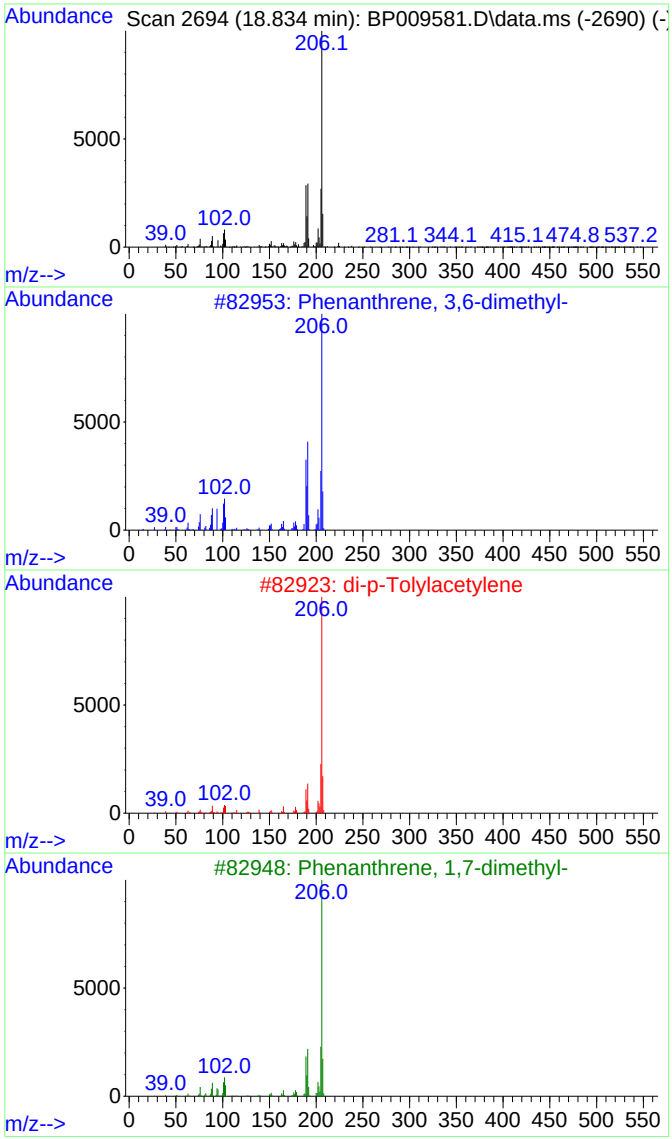
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

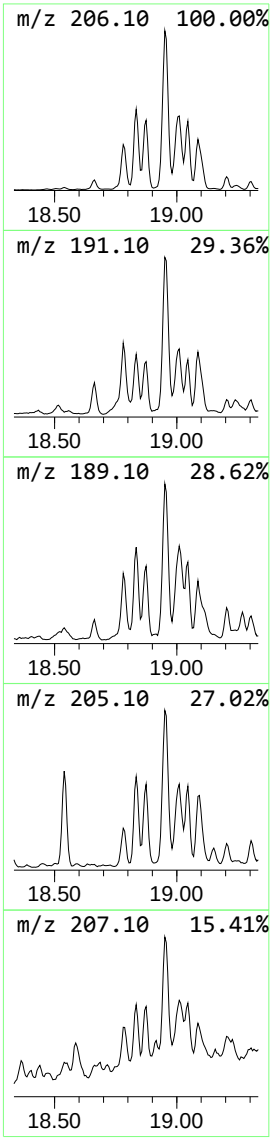
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.834	5.90 ng	1182720	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

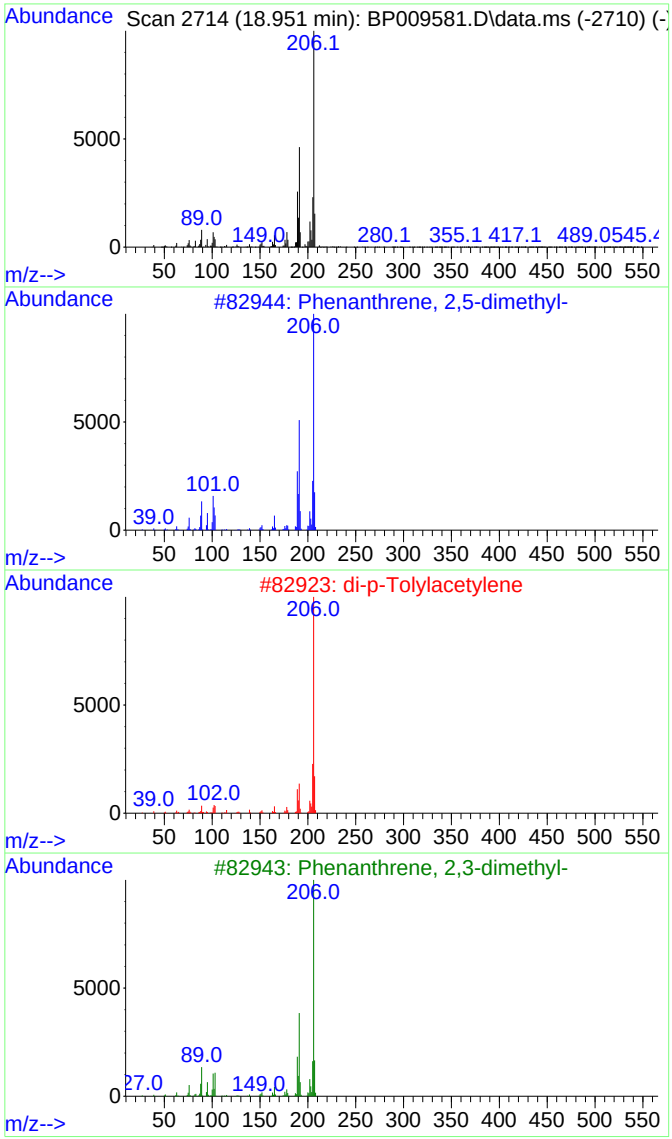
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

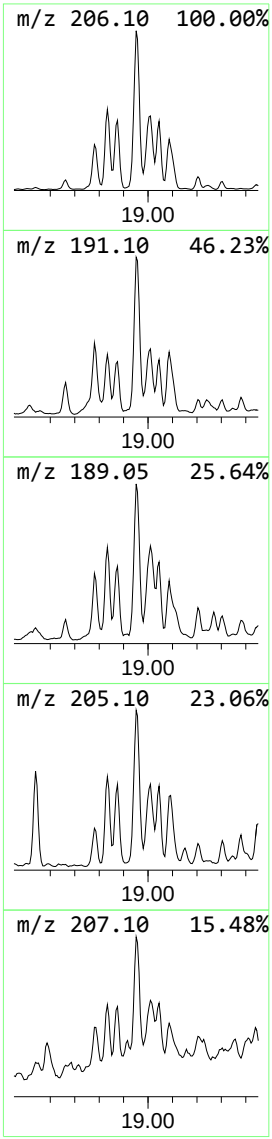
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	13.73 ng	2752480	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

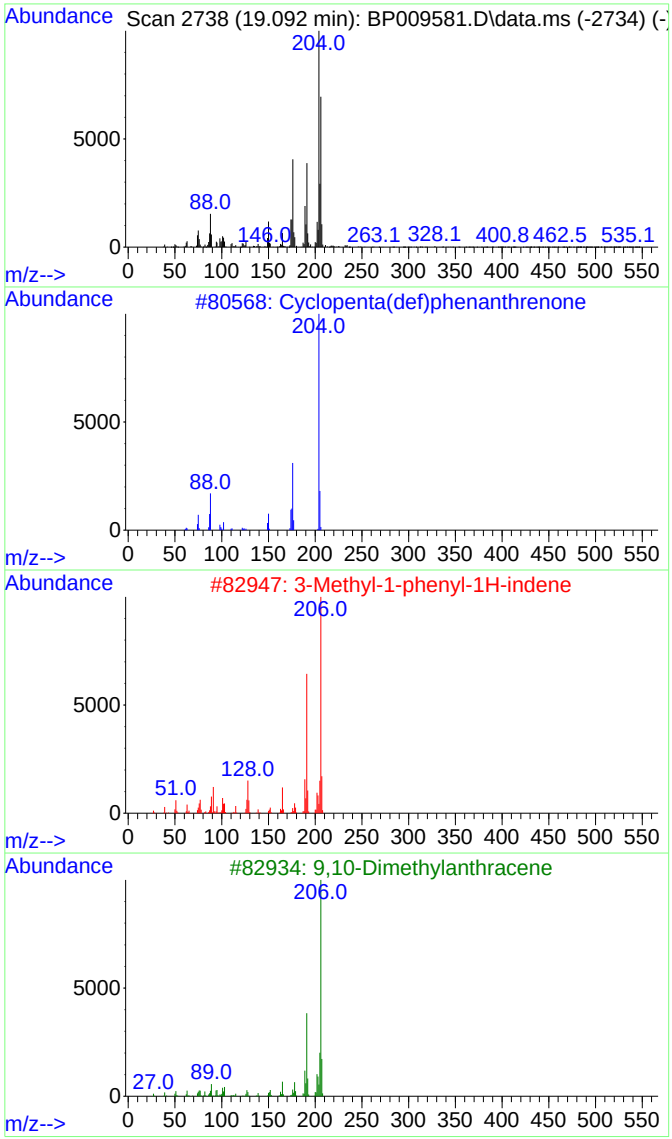
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

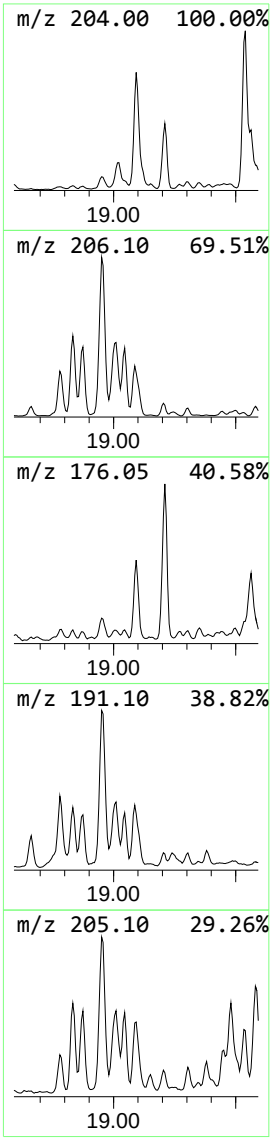
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.092	6.92 ng	1386650	Phenanthrene-d10	17.175

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	80
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	74
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	50
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

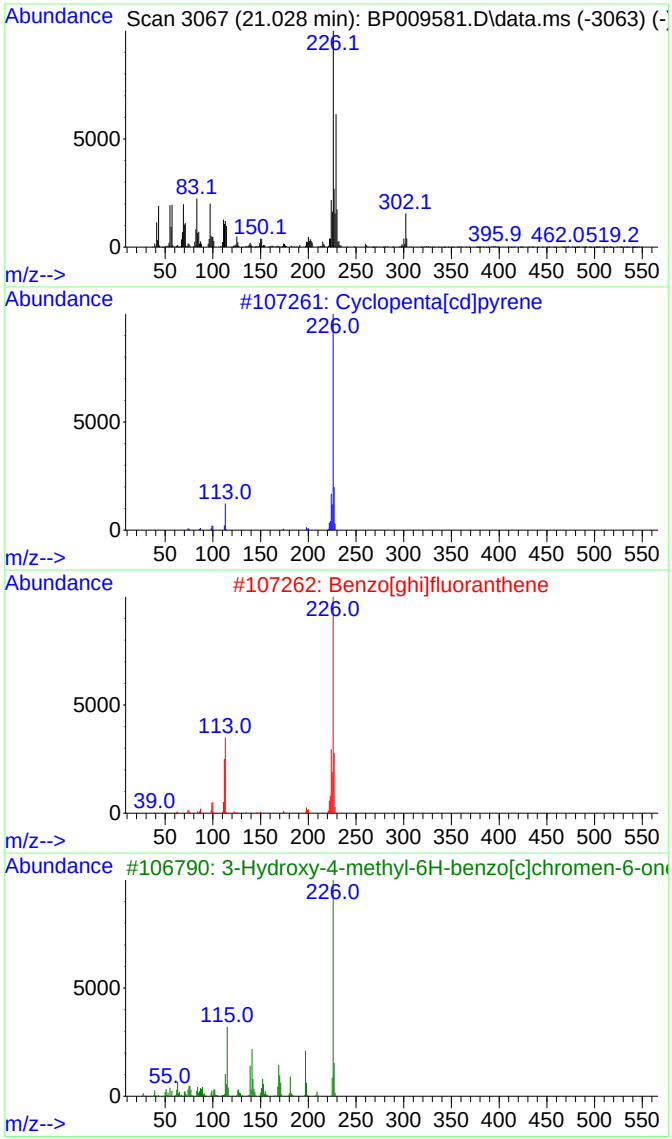
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

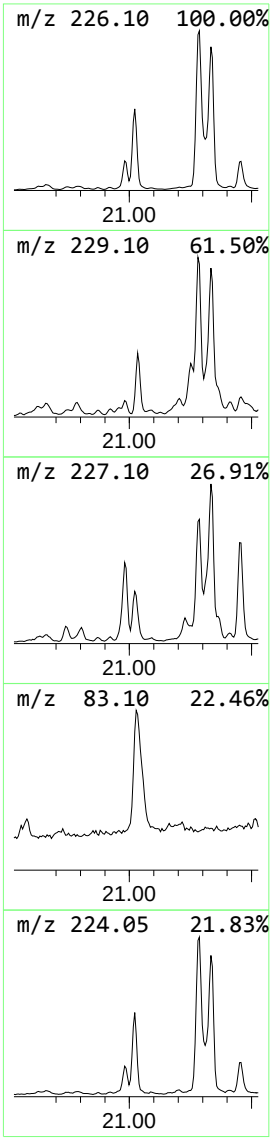
****

Peak Number 17 unknown21.028 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.028	5.64 ng	4741570	Chrysene-d12	21.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38
3	3-Hydroxy-4-methyl-6H-benzo[c]ch...	226	C14H10O3	076244-77-4	35
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	27
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

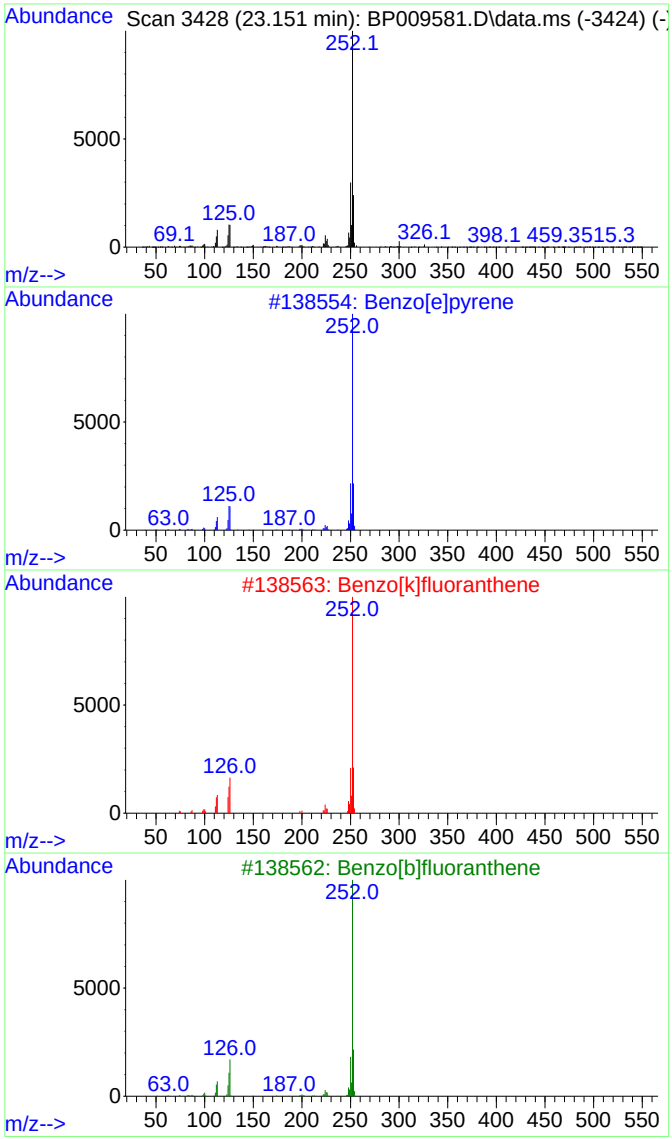
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

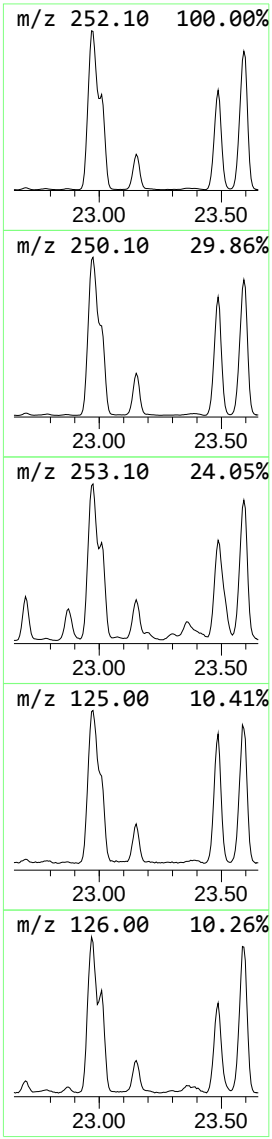
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.151	8.56 ng	2034240	Perylene-d12	23.692

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

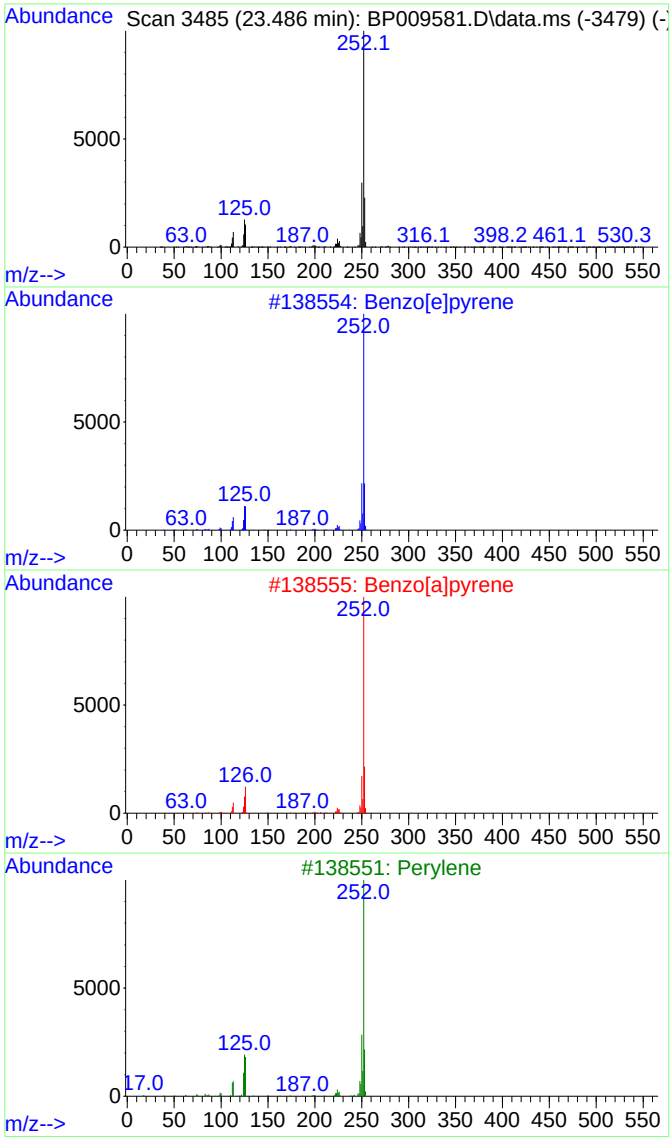
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

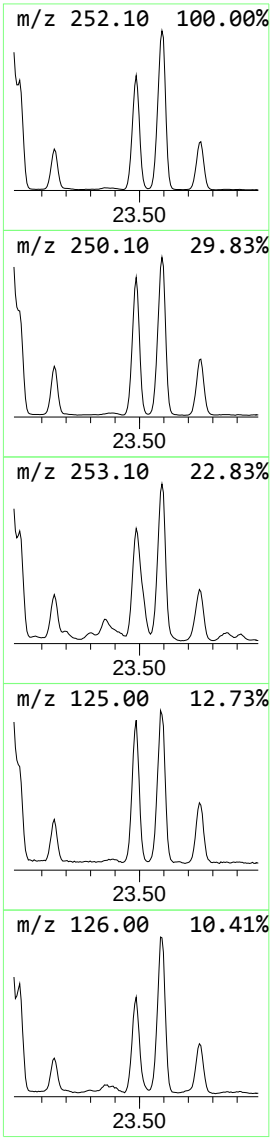
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.486	31.04 ng	7375890	Perylene-d12	23.692

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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

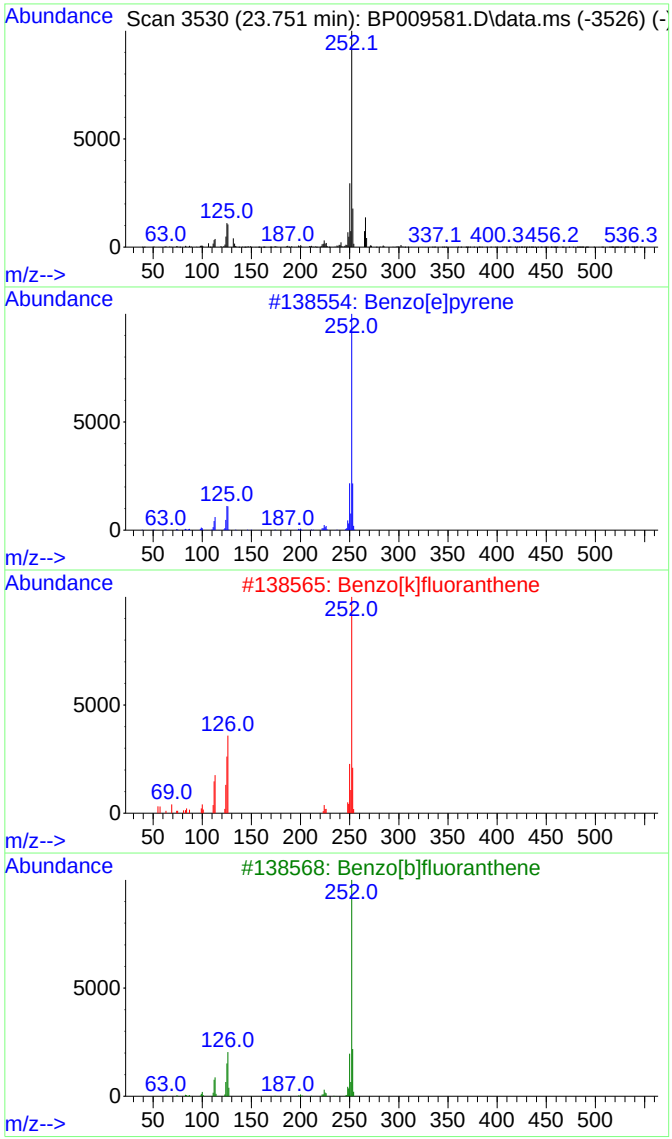
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

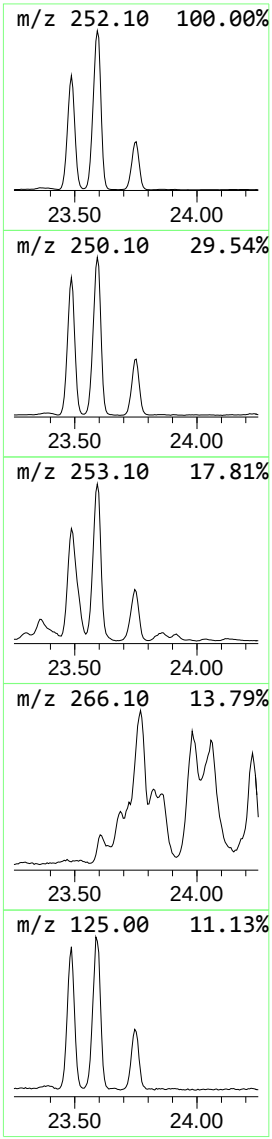
****

Peak Number 20 unknown23.751 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.751	15.42 ng	3662750	Perylene-d12	23.692

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[a]pyrene	252	C20H12	000050-32-8	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032822\
Data File : BP009581.D
Acq On : 28 Mar 2022 23:58
Operator : CG/JU
Sample : N2095-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-11-4.0-5.0

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
Butane, 2-metho...	3.017	8.0	ng	835401	1	7.764	2080940	20.0
Octane, 2,6-dim...	11.605	4.9	ng	736829	2	10.557	2982230	20.0
Chamazulene	16.151	6.3	ng	1272980	4	17.175	4009380	20.0
9H-Fluoren-9-one	16.834	5.0	ng	1010660	4	17.175	4009380	20.0
Dibenzothiophene	16.998	4.6	ng	928171	4	17.175	4009380	20.0
Anthrone	17.492	6.8	ng	1368540	4	17.175	4009380	20.0
2-Methyldibenzo...	17.763	6.0	ng	1193010	4	17.175	4009380	20.0
Phenanthrene, 2...	18.051	9.4	ng	1887600	4	17.175	4009380	20.0
Phenanthrene, 1...	18.098	24.8	ng	4980500	4	17.175	4009380	20.0
Anthracene, 1-m...	18.239	19.3	ng	3877480	4	17.175	4009380	20.0
Anthracene, 2-m...	18.275	6.2	ng	1236620	4	17.175	4009380	20.0
Naphthalene, 2-...	18.539	10.9	ng	2187780	4	17.175	4009380	20.0
9,10-Anthracene...	18.587	6.3	ng	1273140	4	17.175	4009380	20.0
Phenanthrene, 3...	18.834	5.9	ng	1182720	4	17.175	4009380	20.0
Phenanthrene, 2...	18.951	13.7	ng	2752480	4	17.175	4009380	20.0
Cyclopenta(def)...	19.092	6.9	ng	1386650	4	17.175	4009380	20.0
unknown21.028	21.028	5.6	ng	4741570	5	21.298	16827200	20.0
Benzo[e]pyrene	23.151	8.6	ng	2034240	6	23.692	4752000	20.0
Perylene	23.486	31.0	ng	7375890	6	23.692	4752000	20.0
unknown23.751	23.751	15.4	ng	3662750	6	23.692	4752000	20.0