LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP007147.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.469	397	405	417	rBV	1146544	1731729	13.10%	1.229%
2	7.063	668	676	692	rBV	1074362	1791955	13.55%	1.272%
3	7.893	808	817	826	rBV	1207137	1897182	14.35%	1.347%
4	9.052	1007	1014	1024	rBV	657688	1104825	8.36%	0.784%
5	10.475	1249	1256	1266	rBV	264217	485695	3.67%	0.345%
6	10.693	1284	1293	1298	rBV	1584314	2678397	20.26%	1.901%
7	10.740	1298	1301	1309	rVB	401936	649855	4.91%	0.461%
8	12.351	1564	1575	1582	rBV	304727	523013	3.96%	0.371%
9	12.569	1604	1612	1623	rVB	227858	362301	2.74%	0.257%
10	13.145	1703	1710	1717	rBV	2031865	2975729	22.50%	2.112%
11	13.357	1741	1746	1753	rVB2	99646	148918	1.13%	0.106%
12	13.687	1796	1802	1803	rBV	119356	158913	1.20%	0.113%
13	13.845	1822	1829	1834	rBV	213657	372689	2.82%	0.265%
14	13.898	1834	1838	1844	rVB	136163	197426	1.49%	0.140%
15	14.081	1862	1869	1872	rBV	100883	145435	1.10%	0.103%
16	14.245	1889	1897	1908	rBV	503070	846876	6.40%	0.601%
17	14.522	1934	1944	1950	rBV	2476855	3629108	27.45%	2.576%
18	14.587	1950	1955	1962	rVB	695510	1037310	7.84%	0.736%
19	14.922	2002	2012	2019	rVV	583171	903584	6.83%	0.641%
20	14.998	2020	2025	2030	rVB	94430	135402	1.02%	0.096%
21	15.139	2041	2049	2054	rBV3	95080	219457	1.66%	0.156%
22	15.310	2071	2078	2081	rBV2	68988	137486	1.04%	0.098%
23	15.387	2086	2091	2098	rVB3	68793	142135	1.07%	0.101%
24	15.569	2116	2122	2134	rVB	1198526	1835035	13.88%	1.303%
25	15.734	2146	2150	2154	rVB4	119048	153780	1.16%	0.109%
26	15.781	2154	2158	2162	rBV3	80981	132512	1.00%	0.094%
27	15.863	2168	2172	2179	rBV	215001	297827	2.25%	0.211%
28	16.010	2189	2197	2205	rVV	1750432	2626269	19.86%	1.864%
29	16.104	2205	2213	2218	rVB3	53250	133132	1.01%	0.095%
30	16.245	2230	2237	2243	rVB4	149938	300290	2.27%	0.213%
31	16.575	2286	2293	2298	rBV2	231061	431820	3.27%	0.307%
32	16.622	2298	2301	2307	rVB2	129087	191723	1.45%	0.136%
33	16.728	2315	2319	2324	rVB	130632	189230	1.43%	0.134%
34	16.804	2325	2332	2336	rBV3	106995	224240	1.70%	0.159%
35	16.845	2336	2339	2343	rVB	111970	143078	1.08%	0.102%
36	16.928	2349	2353	2359	rVB3	122987	203953	1.54%	0.145%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.004	2361	2366	2373	rVV3	130257	327873	2.48%	0.233%
38	17.092	2376	2381	2390	rVB	400051	641266	4.85%	0.455%
39	17.275	2406	2412	2415	rBV	2725155	4050787	30.63%	2.876%
40	17.316	2415	2419	2425	rVV	6832911	9525209	72.04%	6.762%
41	17.404	2426	2434	2440	rVV	2232241	3341466	25.27%	2.372%
42	17.463	2440	2444	2450	rVV3	155084	282226	2.13%	0.200%
43	17.675	2476	2480	2485	rBV	520925	673093	5.09%	0.478%
44	17.792	2494	2500	2504	rBV3	138897	223853	1.69%	0.159%
45	17.851	2507	2510	2519	rVB3	165400	262927	1.99%	0.187%
46	17.992	2530	2534	2539	rVB	105342	170615	1.29%	0.121%
47	18.139	2554	2559	2563	rBV	936283	1360195	10.29%	0.966%
48	18.186	2563	2567	2573	rVB	1284464	1762863	13.33%	1.251%
49	18.263	2575	2580	2585	rBV	624014	872176	6.60%	0.619%
50	18.328	2585	2591	2595	rVV3	1756186	3038951	22.98%	2.157%
51	18.363	2595	2597	2602	rVB	616300	705483	5.34%	0.501%
52	18.622	2637	2641	2645	rBV	626047	777949	5.88%	0.552%
53	18.663	2645	2648	2653	rVB2	226713	314597	2.38%	0.223%
54	18.857	2679	2681	2685	rVB	195077	224254	1.70%	0.159%
55	18.910	2686	2690	2693	rVV	290226	386586	2.92%	0.274%
56	18.945	2693	2696	2700	rVB	262215	324150	2.45%	0.230%
57	19.022	2705	2709	2714	rBV	609502	1086768	8.22%	0.771%
58	19.163	2729	2733	2740	rBV2	353346	690562	5.22%	0.490%
59	19.280	2748	2753	2759	rBV	9666583	13222770	100.00%	9.386%
60	19.375	2767	2769	2773	rVB2	247657	268119	2.03%	0.190%
61	19.427	2775	2778	2781	rVB	262047	316698	2.40%	0.225%
62	19.516	2790	2793	2796	rBV	269447	324660	2.46%	0.230%
63	19.633	2809	2813	2821	rVB	8006521	11791613	89.18%	8.371%
64	19.704	2821	2825	2831	rVB2	496509	794013	6.00%	0.564%
65	19.827	2839	2846	2850	rBV2	3193555	4343590	32.85%	3.083%
66	19.869	2850	2853	2858	rVB	376455	507548	3.84%	0.360%
67	19.957	2862	2868	2873	rBV2	562644	1340229	10.14%	0.951%
68	20.116	2891	2895	2900	rVB	1843293	2506369	18.95%	1.779%
69	20.210	2907	2911	2915	rBV	1620578	2086461	15.78%	1.481%
70	20.269	2918	2921	2925	rVB2	854917	1203325	9.10%	0.854%
71	20.410	2942	2945	2948	rBV2	498950	575435	4.35%	0.408%
72	20.451	2949	2952	2956	rVB	564480	631993	4.78%	0.449%
73	21.010	3044	3047	3050	rVB	580371	644124	4.87%	0.457%
74	21.045	3050	3053	3056	rBV2	637148	791293	5.98%	0.562%
75	21.345	3099	3104	3110	rBV3	6208080	11830063	89.47%	8.398%
76	21.398	3110	3113	3122	rVB	4115371	5200603	39.33%	3.692%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

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-BP092121.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.516	3131	3133	3139	rVB	851441	1077901	8.15%	0.765%
78	23.039	3386	3392	3397	rBV	3247777	7761487	58.70%	5.510%
79	23.563	3477	3481	3491	rVB	1981943	3832460	28.98%	2.721%
80	23.668	3493	3499	3507	rVB	3318499	6594440	49.87%	4.681%
81	23.774	3513	3517	3523	rVB2	1777637	3043647	23.02%	2.161%

Sum of corrected areas: 140870999

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
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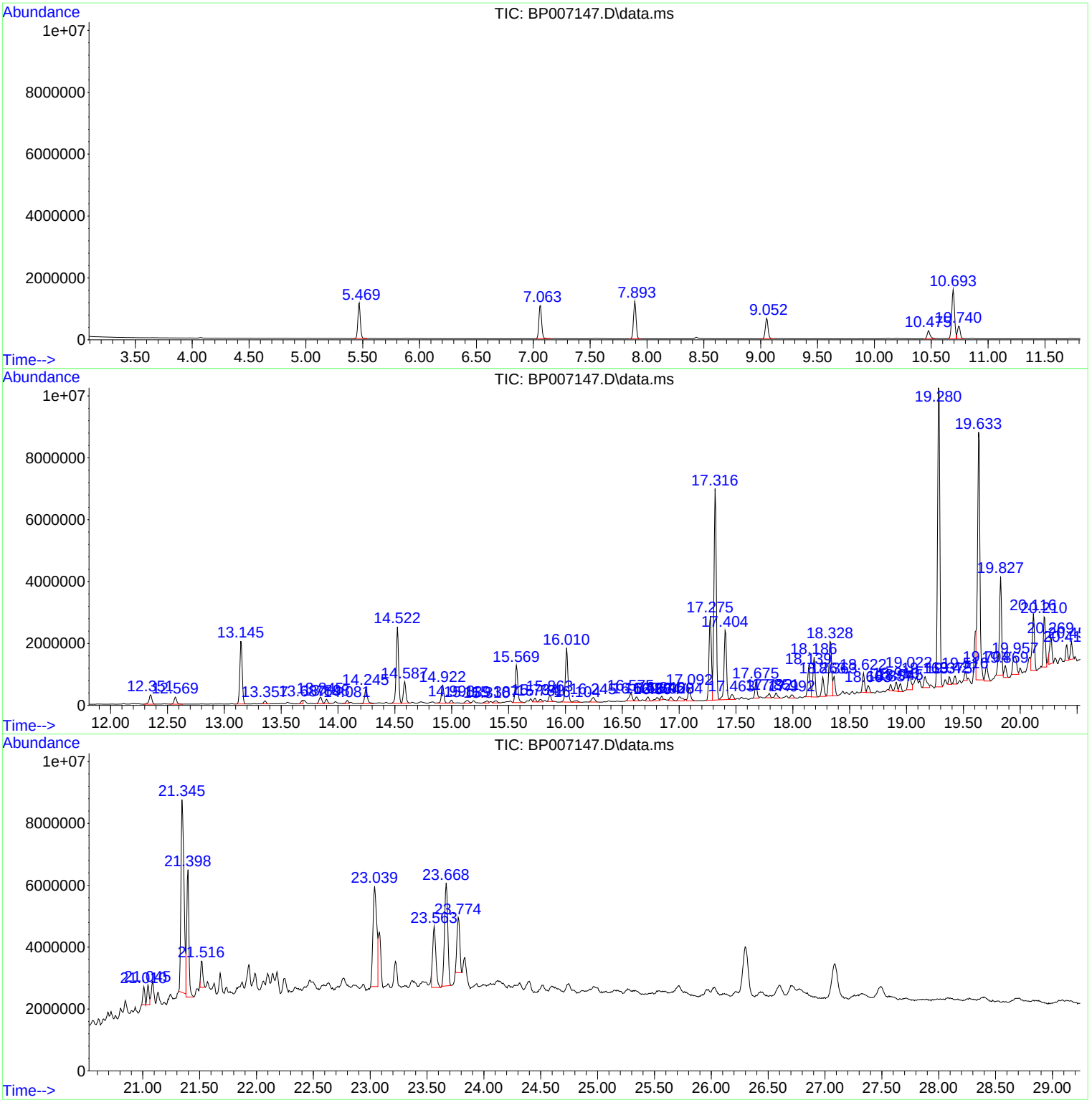
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

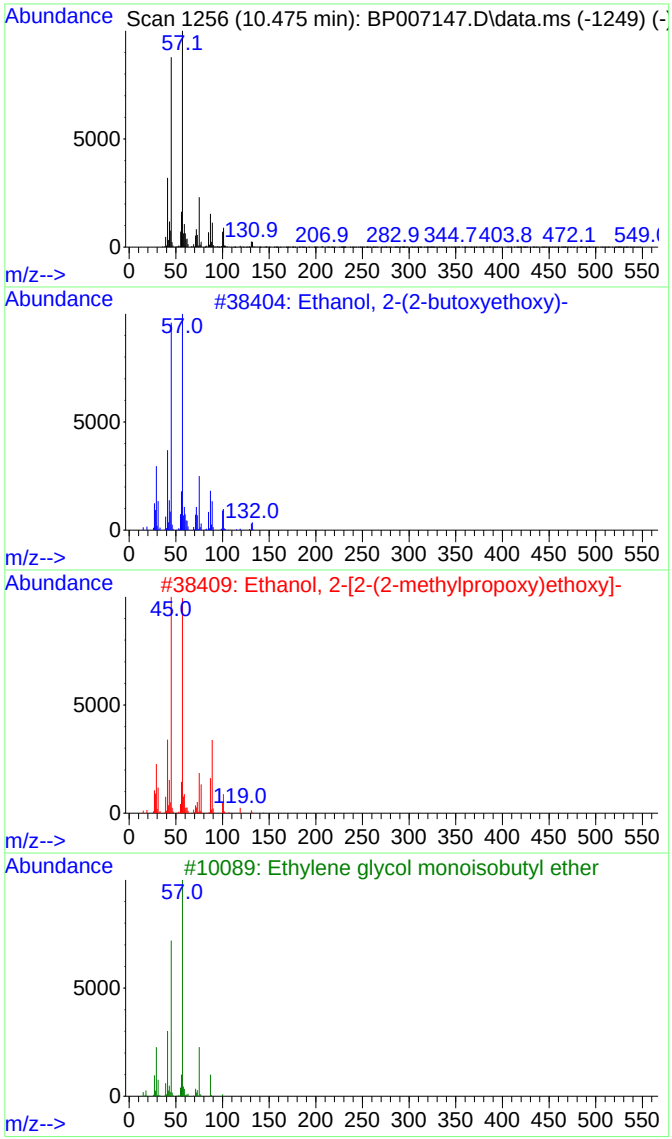
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

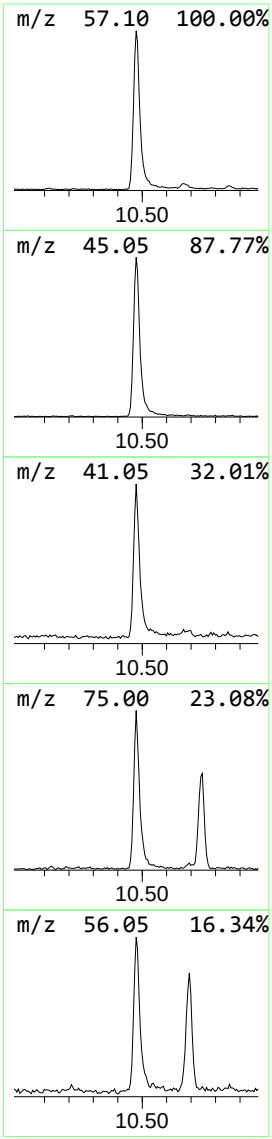
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.475	3.63 ng	485695	Naphthalene-d8	10.693

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	91
2	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	72
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	50
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

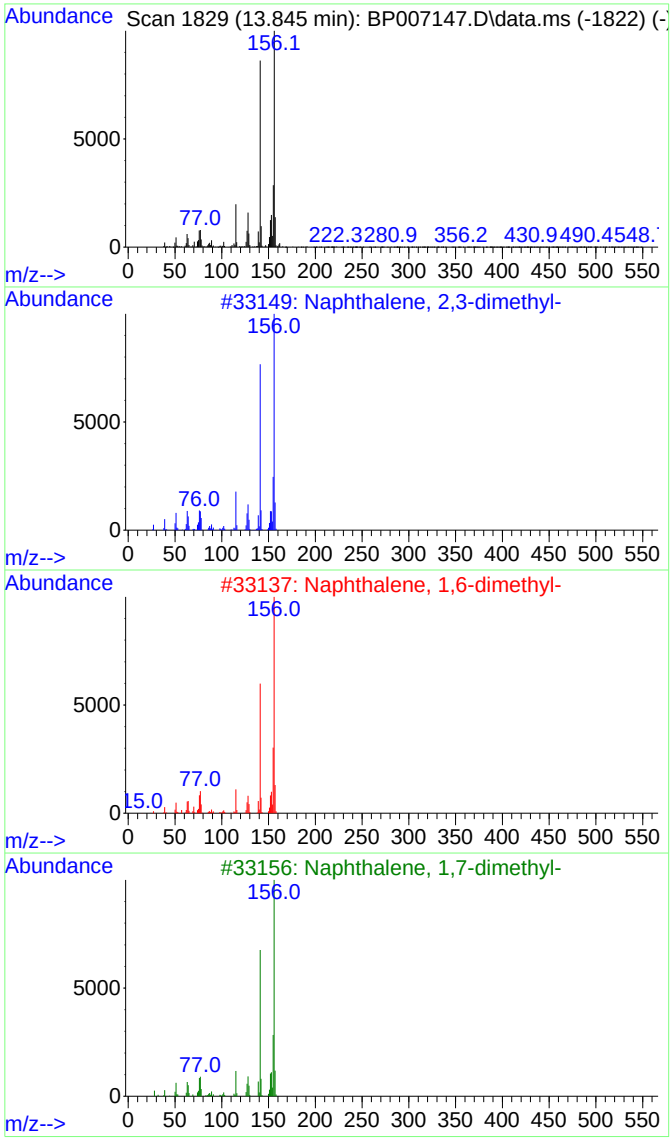
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

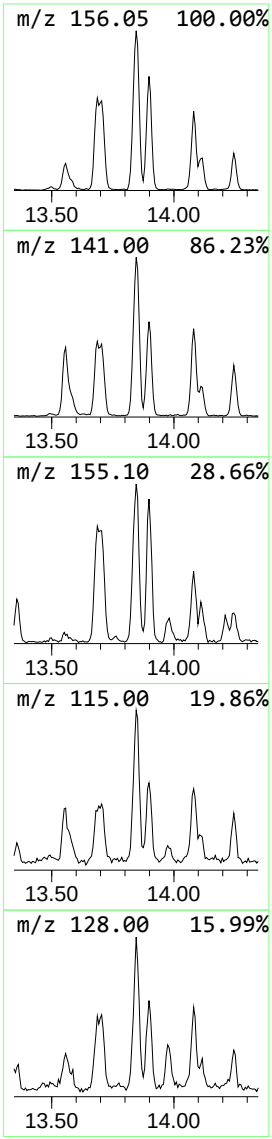
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.845	2.05 ng	372689	Acenaphthene-d10	14.522

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

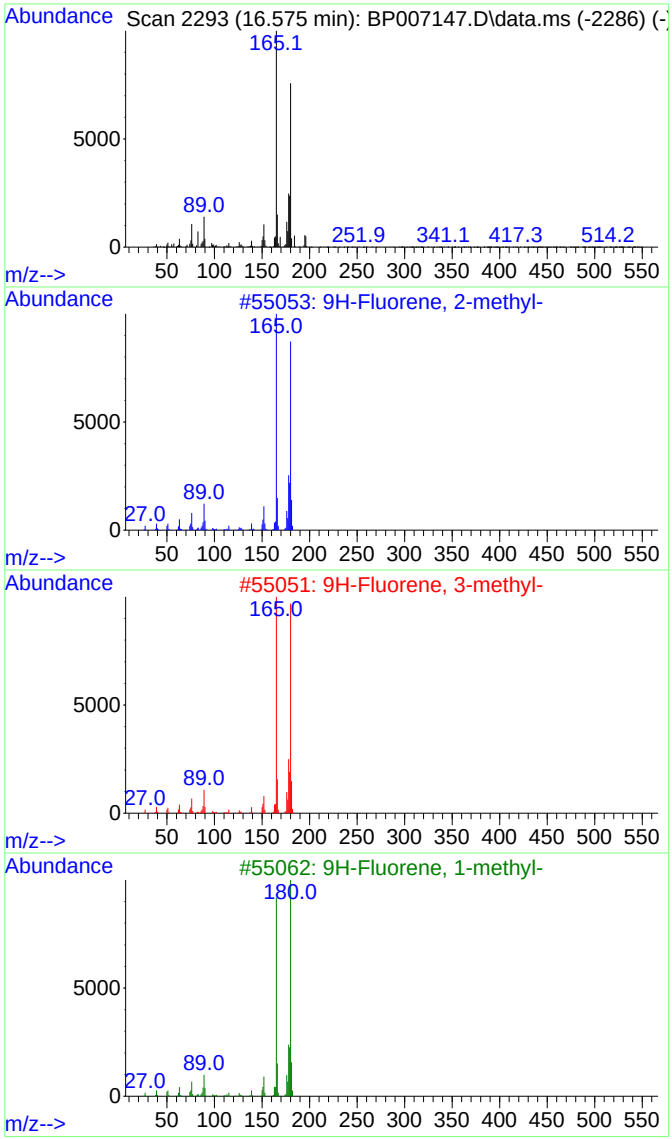
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

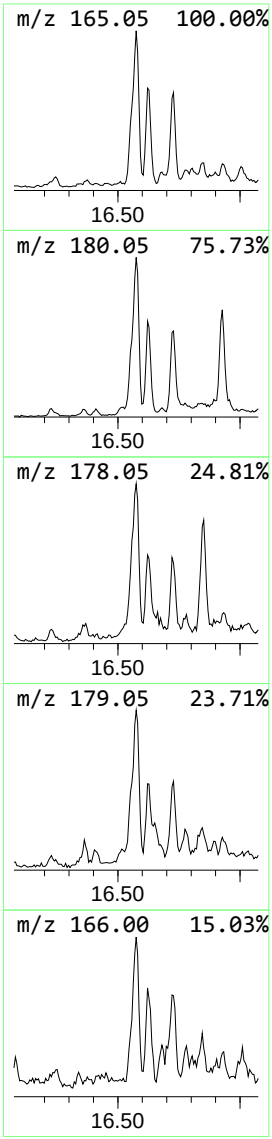
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.575	2.13 ng	431820	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

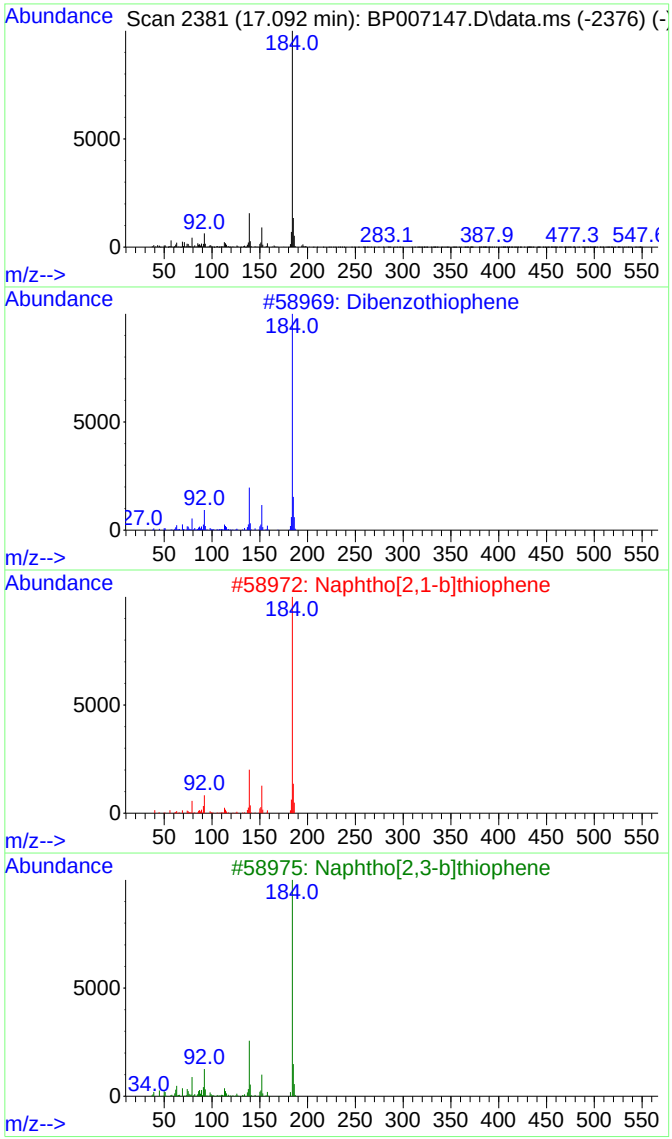
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

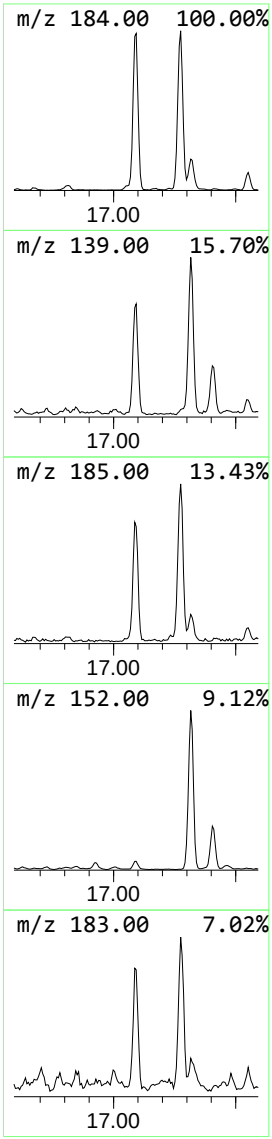
****

Peak Number 4 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	3.17 ng	641266	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

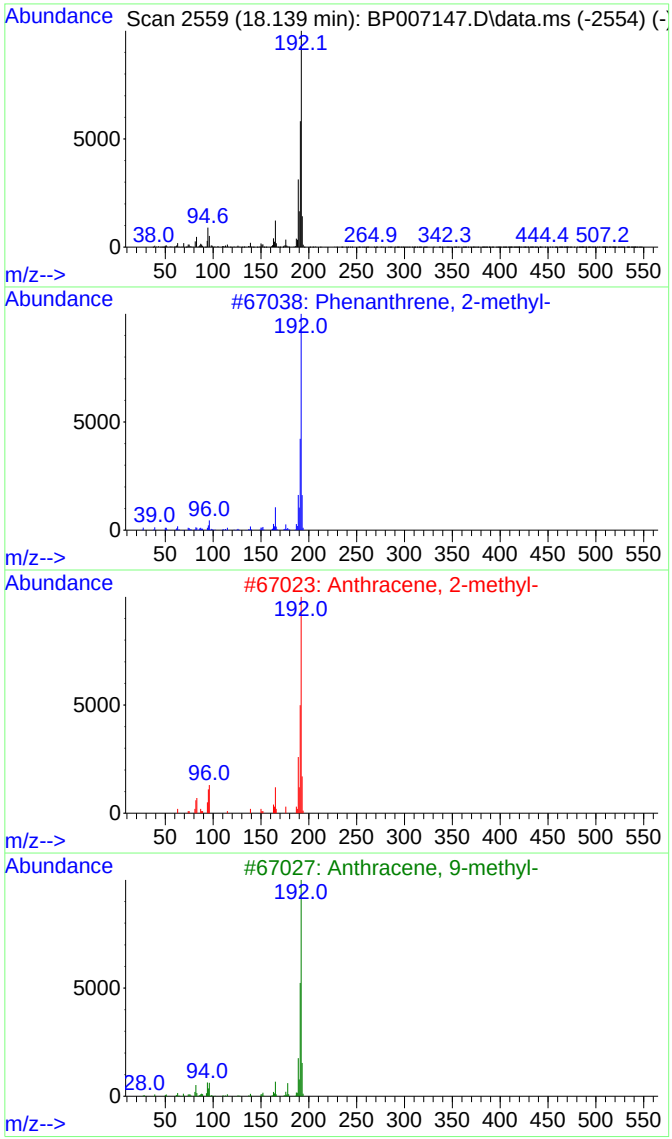
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

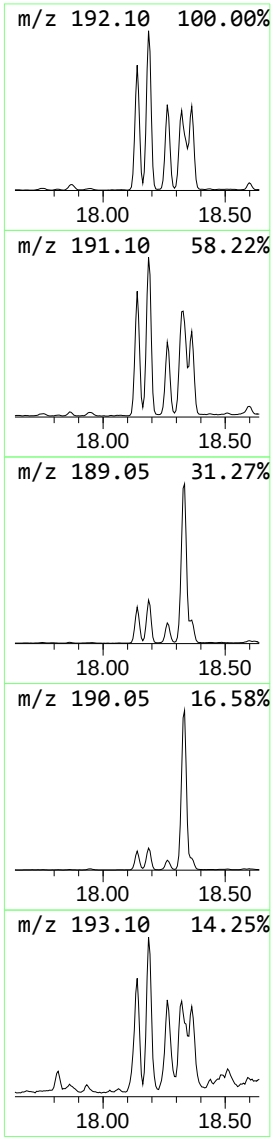
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	6.72 ng	1360200	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

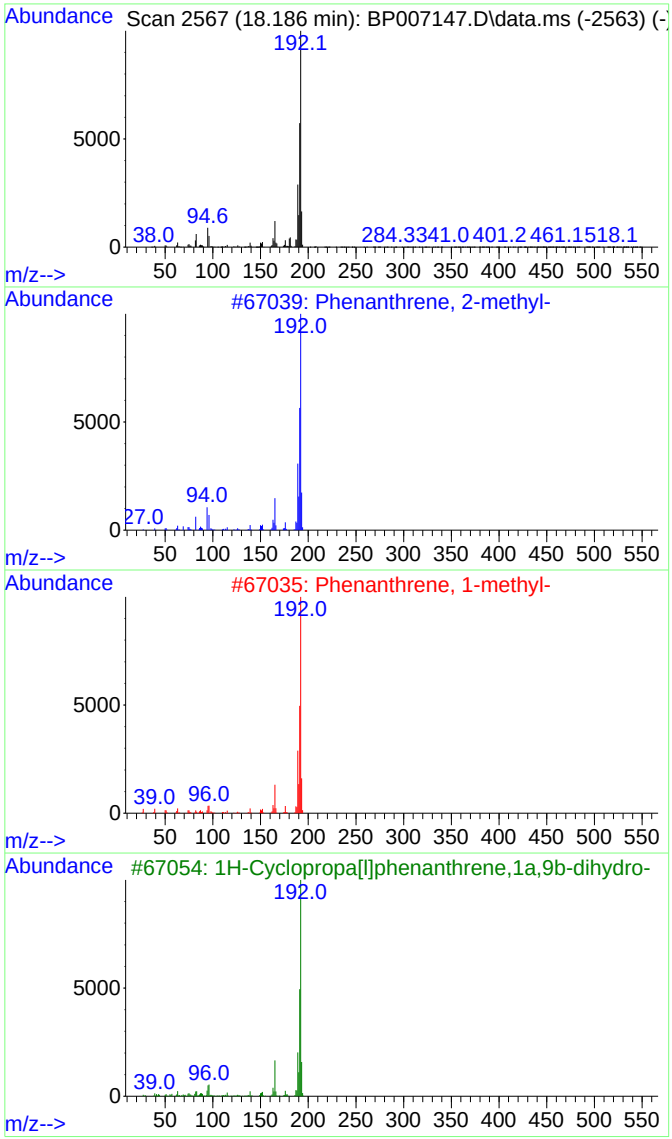
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

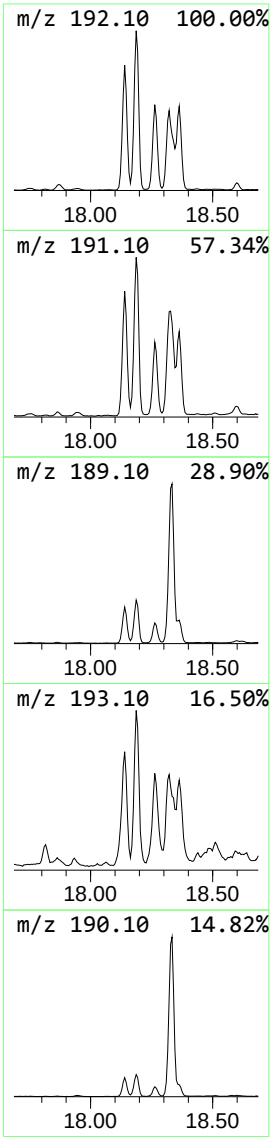
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	8.70 ng	1762860	Phenanthrene-d10	17.275

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





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Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

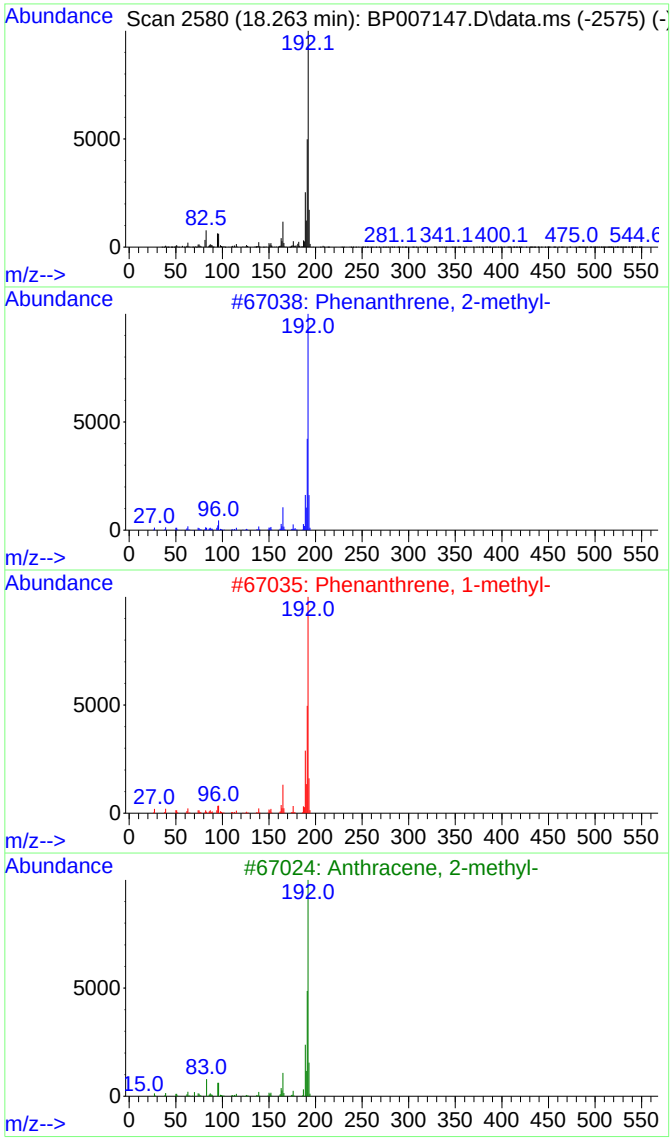
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

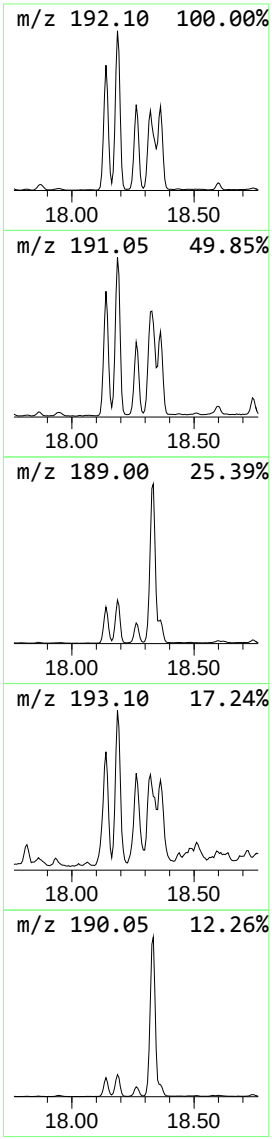
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	4.31 ng	872176	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

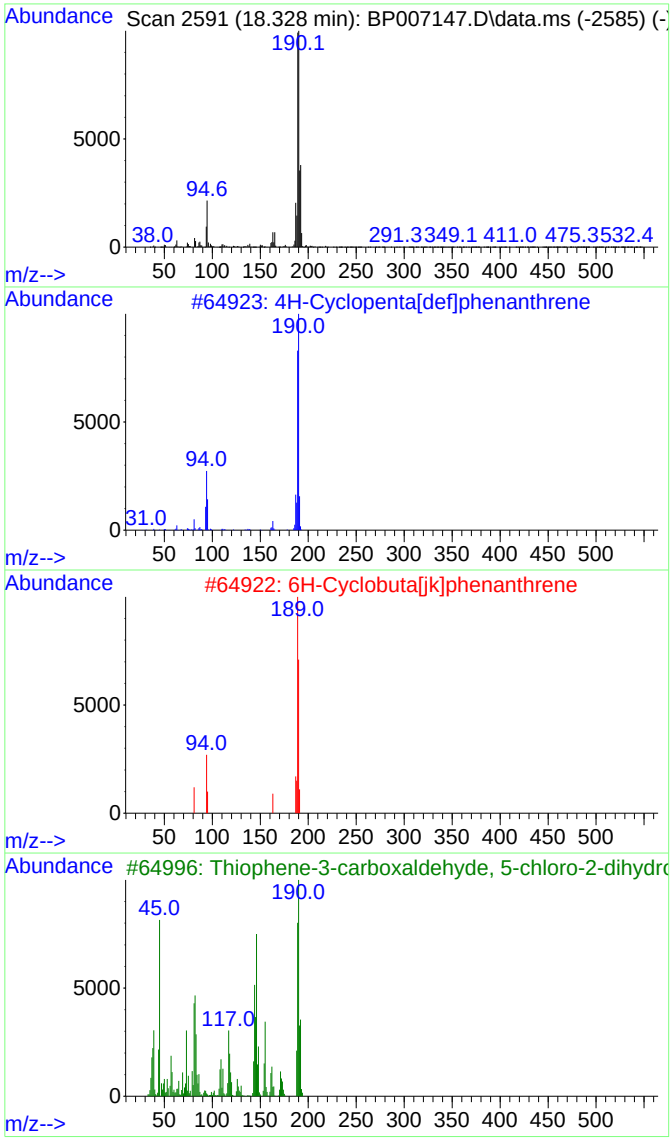
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

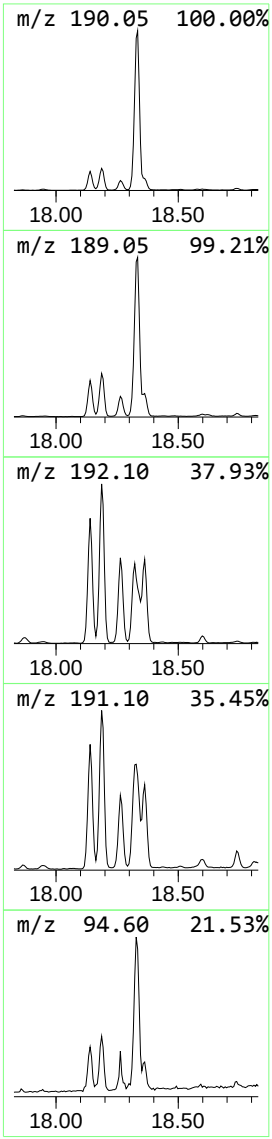
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	15.00 ng	3038950	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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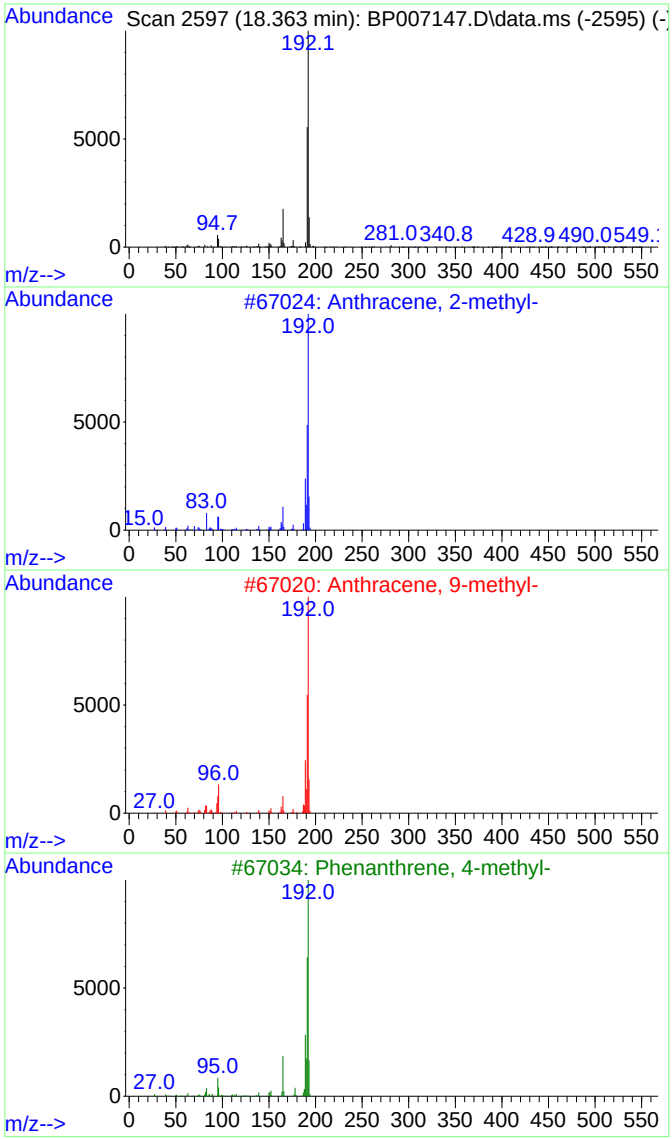
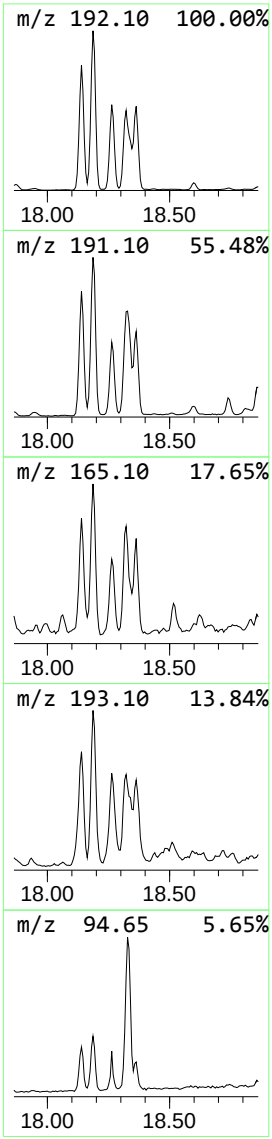
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.363	3.48 ng	705483	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

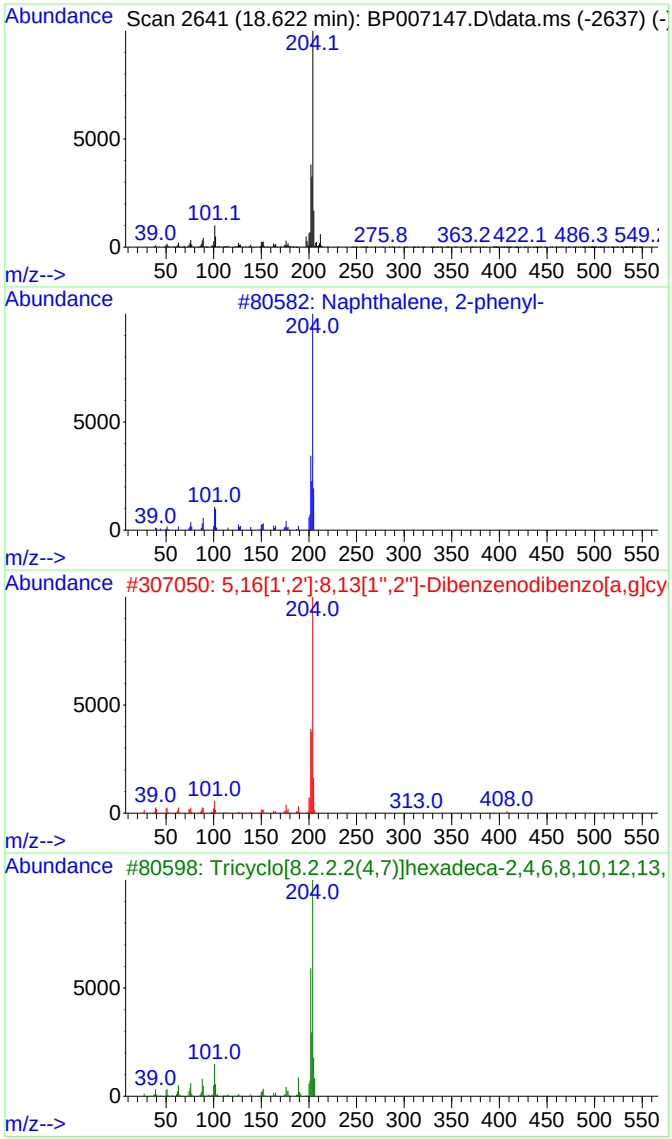
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

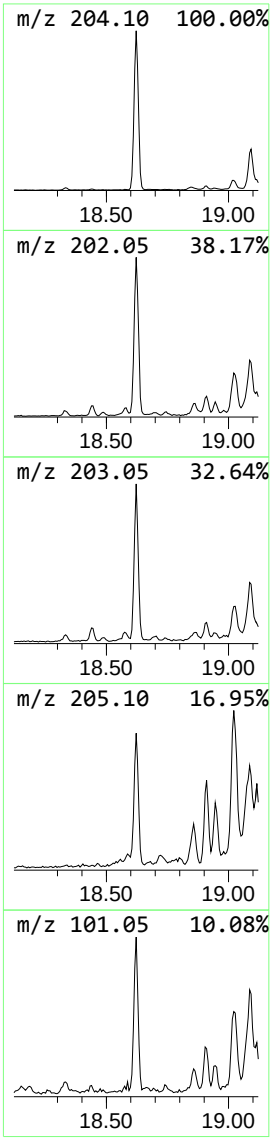
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	3.84 ng	777949	Phenanthrene-d10	17.275

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	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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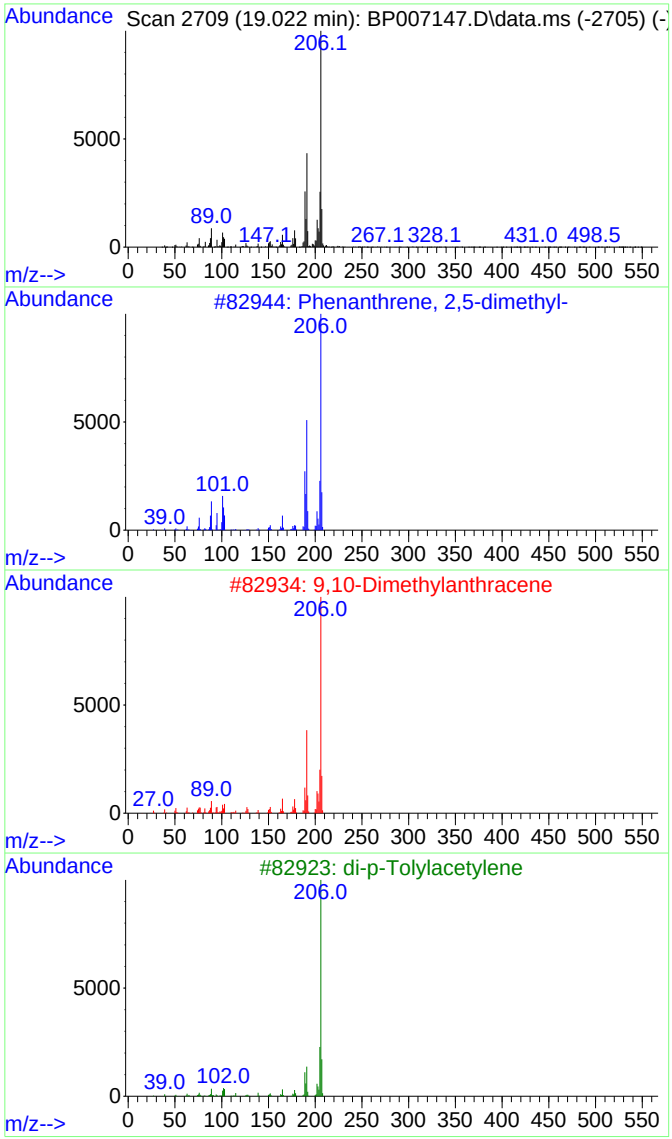
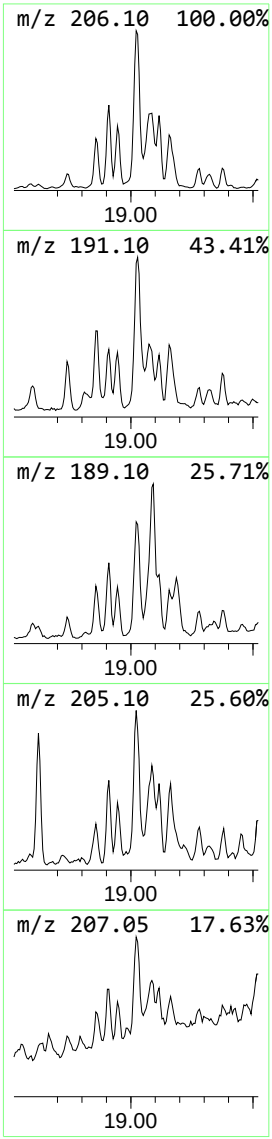
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.022	5.37 ng	1086770	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

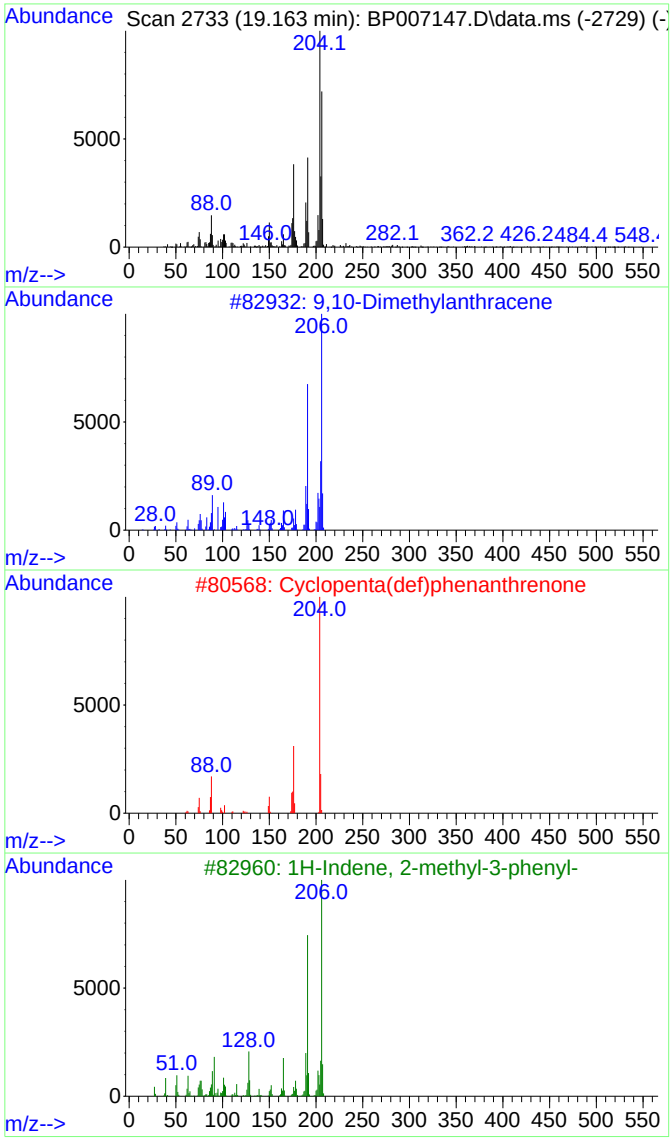
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

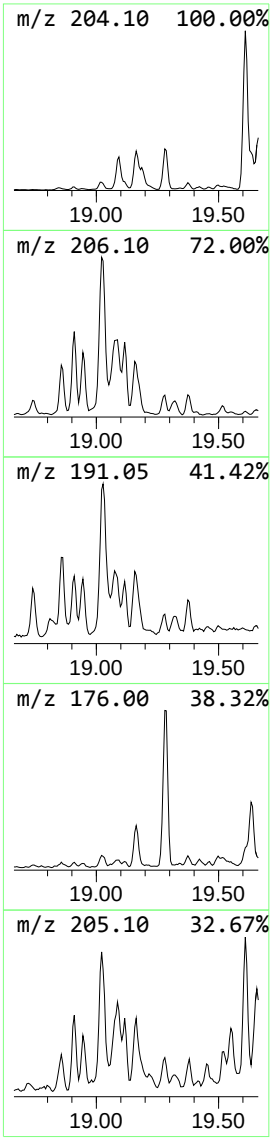
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	3.41 ng	690562	Phenanthrene-d10	17.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	46
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	45





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Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

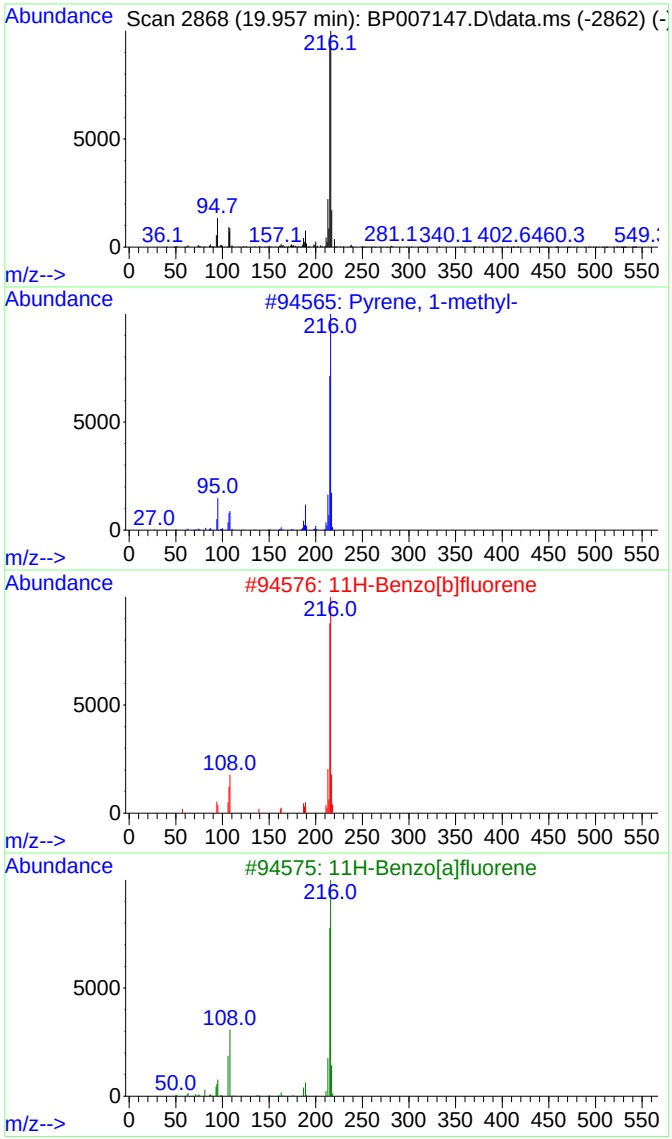
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

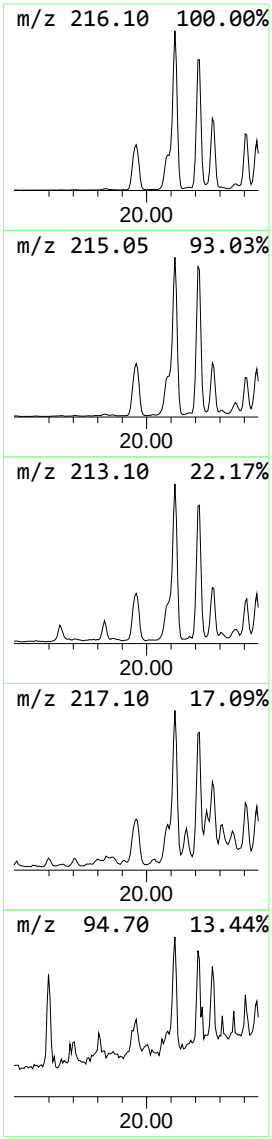
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.957	2.27 ng	1340230	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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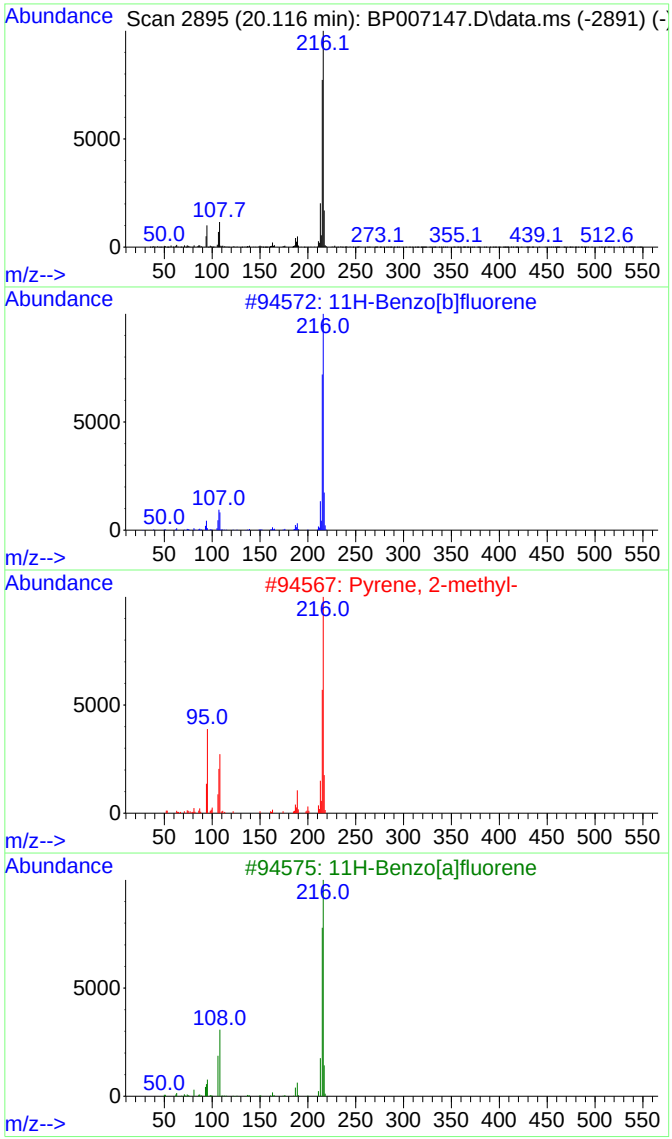
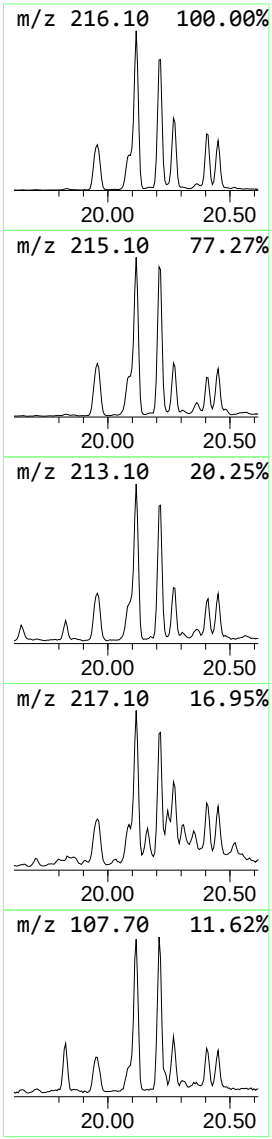
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	4.24 ng	2506370	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78





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Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

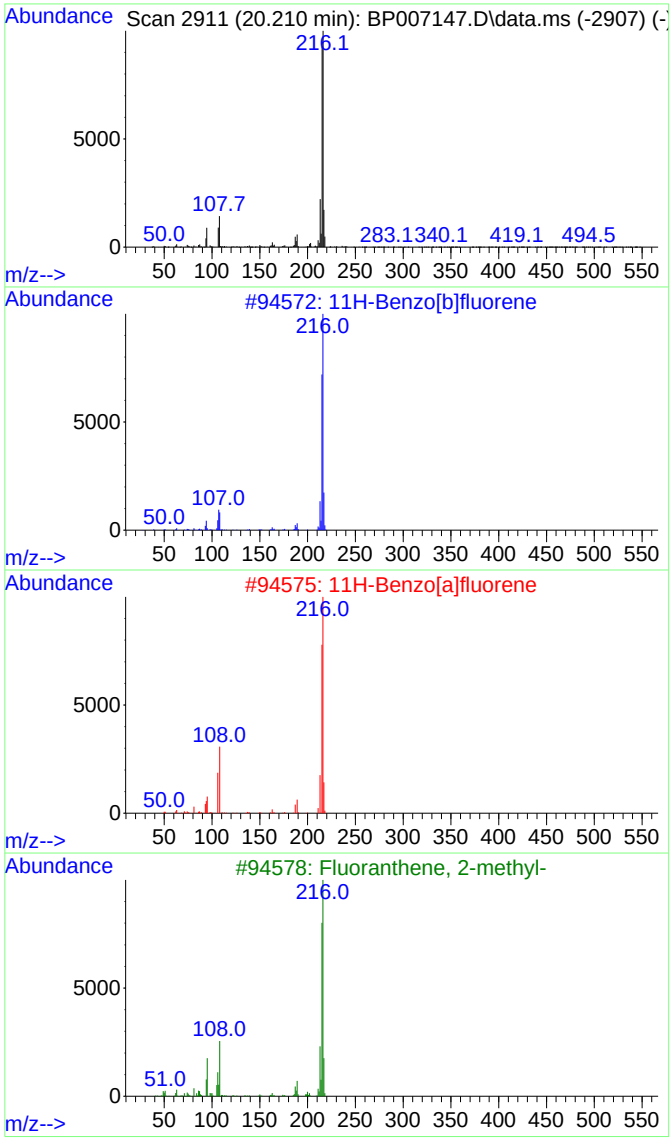
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

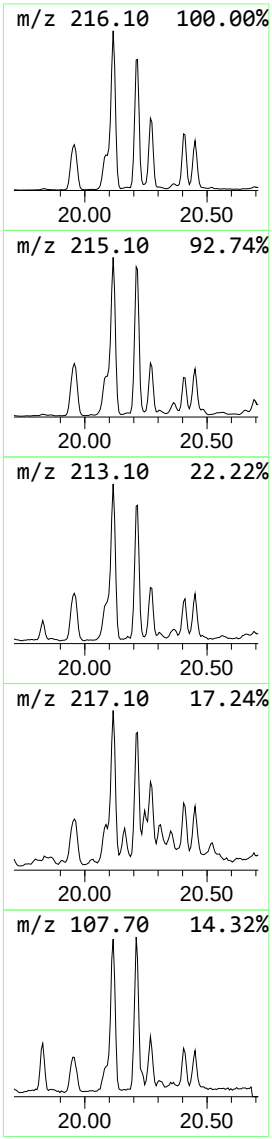
****

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.210	3.53 ng	2086460	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	64





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Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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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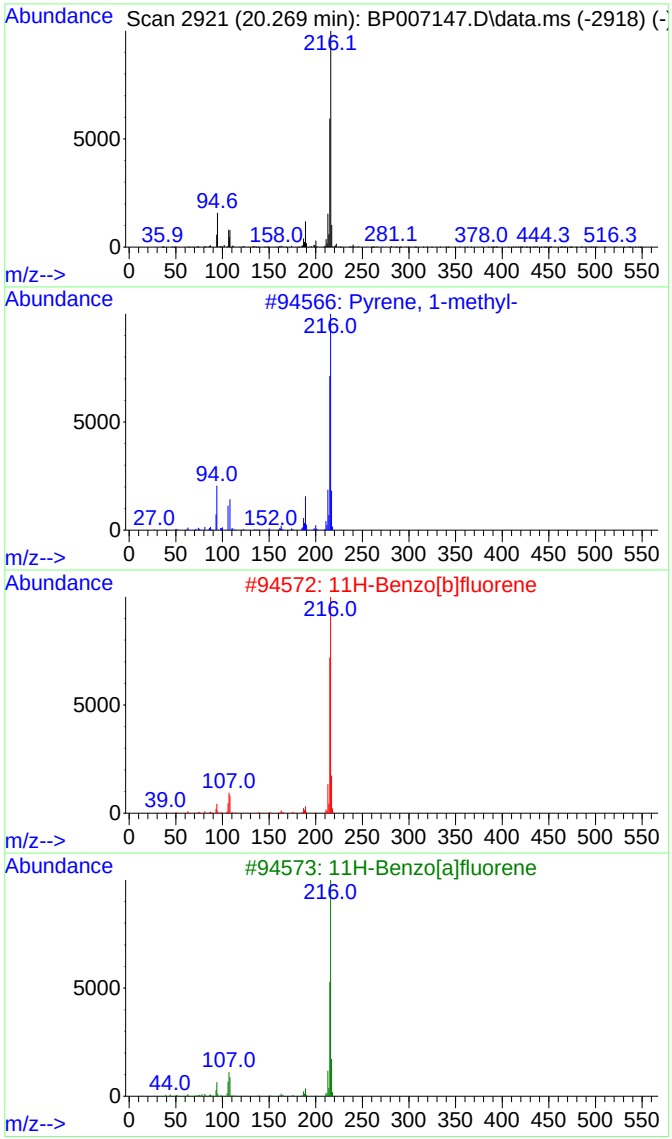
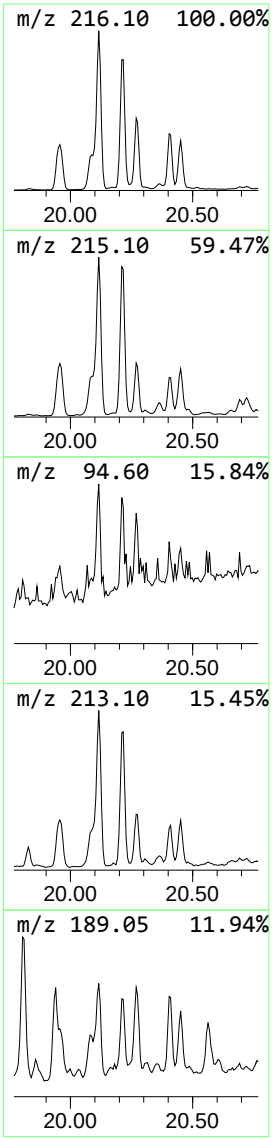
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.269	2.03 ng	1203330	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	62
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





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Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-02-092121

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

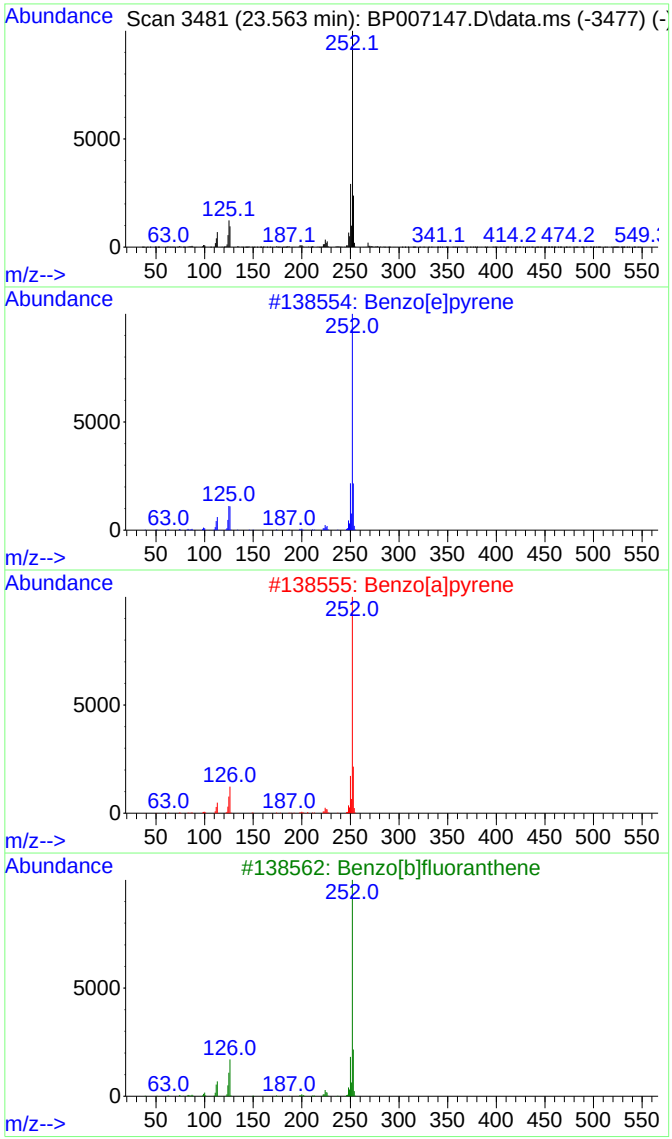
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

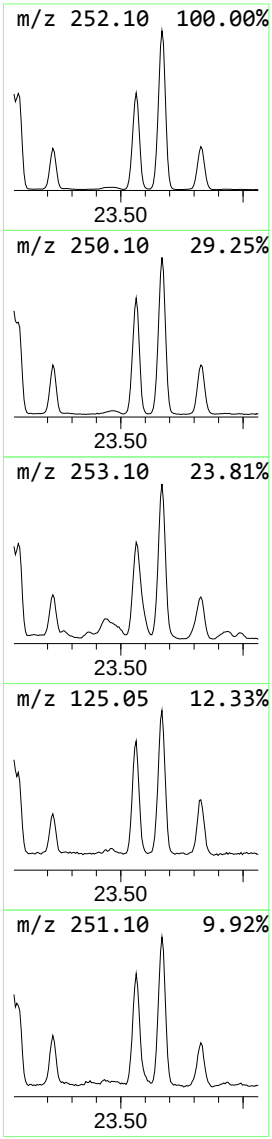
****

Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.563	25.18 ng	3832460	Perylene-d12	23.774

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	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092321\
Data File : BP007147.D
Acq On : 24 Sep 2021 03:50
Operator : CG/JU
Sample : M3838-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-02-092121

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.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
Ethanol, 2-(2-b...	10.475	3.6	ng	485695	2	10.693	2678400	20.0
Naphthalene, 2,...	13.845	2.0	ng	372689	3	14.522	3629110	20.0
9H-Fluorene, 2-...	16.575	2.1	ng	431820	4	17.275	4050790	20.0
Dibenzothiophene	17.092	3.2	ng	641266	4	17.275	4050790	20.0
Phenanthrene, 2...	18.139	6.7	ng	1360200	4	17.275	4050790	20.0
Phenanthrene, 1...	18.186	8.7	ng	1762860	4	17.275	4050790	20.0
Anthracene, 2-m...	18.263	4.3	ng	872176	4	17.275	4050790	20.0
4H-Cyclopenta[d...	18.328	15.0	ng	3038950	4	17.275	4050790	20.0
Anthracene, 9-m...	18.363	3.5	ng	705483	4	17.275	4050790	20.0
Naphthalene, 2-...	18.622	3.8	ng	777949	4	17.275	4050790	20.0
Phenanthrene, 2...	19.022	5.4	ng	1086770	4	17.275	4050790	20.0
9,10-Dimethylan...	19.163	3.4	ng	690562	4	17.275	4050790	20.0
Pyrene, 1-methyl-	19.957	2.3	ng	1340230	5	21.357	11830100	20.0
11H-Benzo[b]flu...	20.116	4.2	ng	2506370	5	21.357	11830100	20.0
11H-Benzo[a]flu...	20.210	3.5	ng	2086460	5	21.357	11830100	20.0
Fluoranthene, 2...	20.269	2.0	ng	1203330	5	21.357	11830100	20.0
Benzo[e]pyrene	23.563	25.2	ng	3832460	6	23.774	3043650	20.0