LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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: BP007209.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.458	397	403	411	rBV	1500907	2159410	14.27%	1.367%
2	7.058	666	675	687	rBV	1388712	2238483	14.79%	1.417%
3	7.881	808	815	823	rBV	1014802	1612601	10.65%	1.021%
4	9.046	1006	1013	1021	rBV	849515	1405185	9.28%	0.890%
5	10.469	1249	1255	1266	rBV	301905	566780	3.74%	0.359%
6	10.681	1282	1291	1296	rBV	1319008	2280026	15.06%	1.444%
7	10.734	1296	1300	1308	rVB	375416	616320	4.07%	0.390%
8	12.346	1568	1574	1582	rVB	378662	601494	3.97%	0.381%
9	12.563	1604	1611	1621	rVB	368350	598494	3.95%	0.379%
10	13.140	1702	1709	1722	rVB	2570004	3699749	24.44%	2.342%
11	13.351	1739	1745	1750	rBV2	97507	151752	1.00%	0.096%
12	13.416	1750	1756	1760	rBV	111088	180175	1.19%	0.114%
13	13.681	1795	1801	1802	rBV	220162	305565	2.02%	0.193%
14	13.840	1822	1828	1833	rBV	430729	770451	5.09%	0.488%
15	13.893	1833	1837	1842	rVB	268430	373549	2.47%	0.237%
16	13.969	1847	1850	1859	rVV	137526	240381	1.59%	0.152%
17	14.075	1860	1868	1871	rVV	224736	360926	2.38%	0.229%
18	14.240	1888	1896	1906	rBV	892585	1388666	9.18%	0.879%
19	14.516	1933	1943	1949	rBV	2017298	3129455	20.68%	1.981%
20	14.581	1949	1954	1962	rVB	696338	1070786	7.07%	0.678%
21	14.728	1973	1979	1987	rBV4	118656	292685	1.93%	0.185%
22	14.810	1988	1993	2000	rBV2	68930	174160	1.15%	0.110%
23	14.916	2005	2011	2018	rVV	674064	1059503	7.00%	0.671%
24	14.993	2019	2024	2028	rVB	304049	404734	2.67%	0.256%
25	15.134	2041	2048	2053	rBV2	239755	481864	3.18%	0.305%
26	15.187	2053	2057	2061	rVB	201483	267433	1.77%	0.169%
27	15.304	2069	2077	2080	rBV2	170094	379508	2.51%	0.240%
28	15.387	2086	2091	2097	rVB2	123741	216424	1.43%	0.137%
29	15.563	2116	2121	2133	rVB	1279741	1978224	13.07%	1.252%
30	15.728	2145	2149	2153	rVB4	126816	188522	1.25%	0.119%
31	15.775	2153	2157	2161	rBV2	158369	247493	1.64%	0.157%
32	15.857	2166	2171	2182	rVB3	226667	425883	2.81%	0.270%
33	16.010	2188	2197	2204	rVV	1881743	2989514	19.75%	1.893%
34	16.081	2204	2209	2220	rVB2	88983	232541	1.54%	0.147%
35	16.245	2231	2237	2249	rVB3	289752	568386	3.76%	0.360%
36	16.381	2255	2260	2263	rBV	122176	191579	1.27%	0.121%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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	16.569	2285	2292	2297	rBV2	333859	648201	4.28%	0.410%
38	16.622	2297	2301	2307	rVB2	226132	328971	2.17%	0.208%
39	16.722	2314	2318	2323	rVB2	210001	298904	1.97%	0.189%
40	16.845	2335	2339	2348	rVB3	165066	274459	1.81%	0.174%
41	16.922	2348	2352	2359	rVB3	200327	323764	2.14%	0.205%
42	16.998	2361	2365	2367	rBV2	127938	183278	1.21%	0.116%
43	17.087	2375	2380	2389	rVB	601968	965231	6.38%	0.611%
44	17.269	2406	2411	2414	rBV	2000727	2871741	18.97%	1.818%
45	17.316	2414	2419	2425	rVV	7427274	10565801	69.81%	6.689%
46	17.404	2429	2434	2439	rVB	2188450	2992484	19.77%	1.895%
47	17.463	2439	2444	2449	rBV3	296926	545552	3.60%	0.345%
48	17.675	2475	2480	2486	rVB	711857	937994	6.20%	0.594%
49	17.787	2497	2499	2503	rVB	193748	214428	1.42%	0.136%
50	17.851	2506	2510	2517	rVB2	310516	476139	3.15%	0.301%
51	17.986	2529	2533	2542	rVB	197219	349268	2.31%	0.221%
52	18.139	2554	2559	2563	rBV	1244902	1788030	11.81%	1.132%
53	18.186	2563	2567	2572	rVB	1614836	2178506	14.39%	1.379%
54	18.263	2575	2580	2585	rBV	639881	936942	6.19%	0.593%
55	18.328	2585	2591	2595	rVV2	2234930	3972483	26.25%	2.515%
56	18.357	2595	2596	2602	rVB	833348	893185	5.90%	0.565%
57	18.522	2620	2624	2627	rBV3	163761	217298	1.44%	0.138%
58	18.622	2636	2641	2644	rBV	698371	915820	6.05%	0.580%
59	18.663	2644	2648	2654	rVB2	354236	501582	3.31%	0.318%
60	18.857	2678	2681	2685	rVB	269622	296781	1.96%	0.188%
61	18.910	2686	2690	2693	rVV	419413	546840	3.61%	0.346%
62	18.945	2693	2696	2700	rVB	355701	428165	2.83%	0.271%
63	19.022	2705	2709	2714	rBV	928430	1528120	10.10%	0.967%
64	19.086	2715	2720	2723	rVV3	348801	625413	4.13%	0.396%
65	19.163	2729	2733	2747	rVB4	437766	1150664	7.60%	0.729%
66	19.286	2748	2754	2759	rBV	9954124	13648336	90.18%	8.641%
67	19.339	2759	2763	2766	rBV3	297112	399216	2.64%	0.253%
68	19.375	2766	2769	2773	rVB2	330173	379754	2.51%	0.240%
69	19.428	2774	2778	2781	rBV	373619	491836	3.25%	0.311%
70	19.516	2790	2793	2796	rBV	351206	402004	2.66%	0.255%
71	19.639	2803	2814	2821	rBV	8872899	15135226	100.00%	9.582%
72	19.704	2821	2825	2830	rVB2	556635	906206	5.99%	0.574%
73	19.828	2839	2846	2850	rBV2	2947980	3862539	25.52%	2.445%
74	19.869	2850	2853	2857	rVB2	401742	559436	3.70%	0.354%
75	19.945	2861	2866	2873	rBV3	705355	1810004	11.96%	1.146%
76	20.116	2891	2895	2899	rVB	1581506	2255896	14.90%	1.428%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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	20.210	2908	2911	2915	rBV	1293220	1483305	9.80%	0.939%
78	20.269	2917	2921	2925	rVB2	1008972	1327004	8.77%	0.840%
79	20.404	2941	2944	2948	rBV	747067	943960	6.24%	0.598%
80	20.451	2949	2952	2955	rVB	720818	849628	5.61%	0.538%
81	20.845	3017	3019	3025	rVB	660531	885809	5.85%	0.561%
82	21.045	3050	3053	3057	rBV	692189	814811	5.38%	0.516%
83	21.086	3057	3060	3064	rVB2	709076	905854	5.99%	0.574%
84	21.345	3099	3104	3109	rBV2	5735598	9868053	65.20%	6.248%
85	21.398	3109	3113	3122	rVB	4278623	6179317	40.83%	3.912%
86	21.522	3130	3134	3139	rBV	706083	1129591	7.46%	0.715%
87	23.039	3386	3392	3398	rBV	3322675	8617344	56.94%	5.456%
88	23.563	3476	3481	3491	rVB	2217131	4615847	30.50%	2.922%
89	23.669	3493	3499	3507	rVB	3321197	6916538	45.70%	4.379%
90	23.774	3514	3517	3522	rVB2	1095126	1755085	11.60%	1.111%

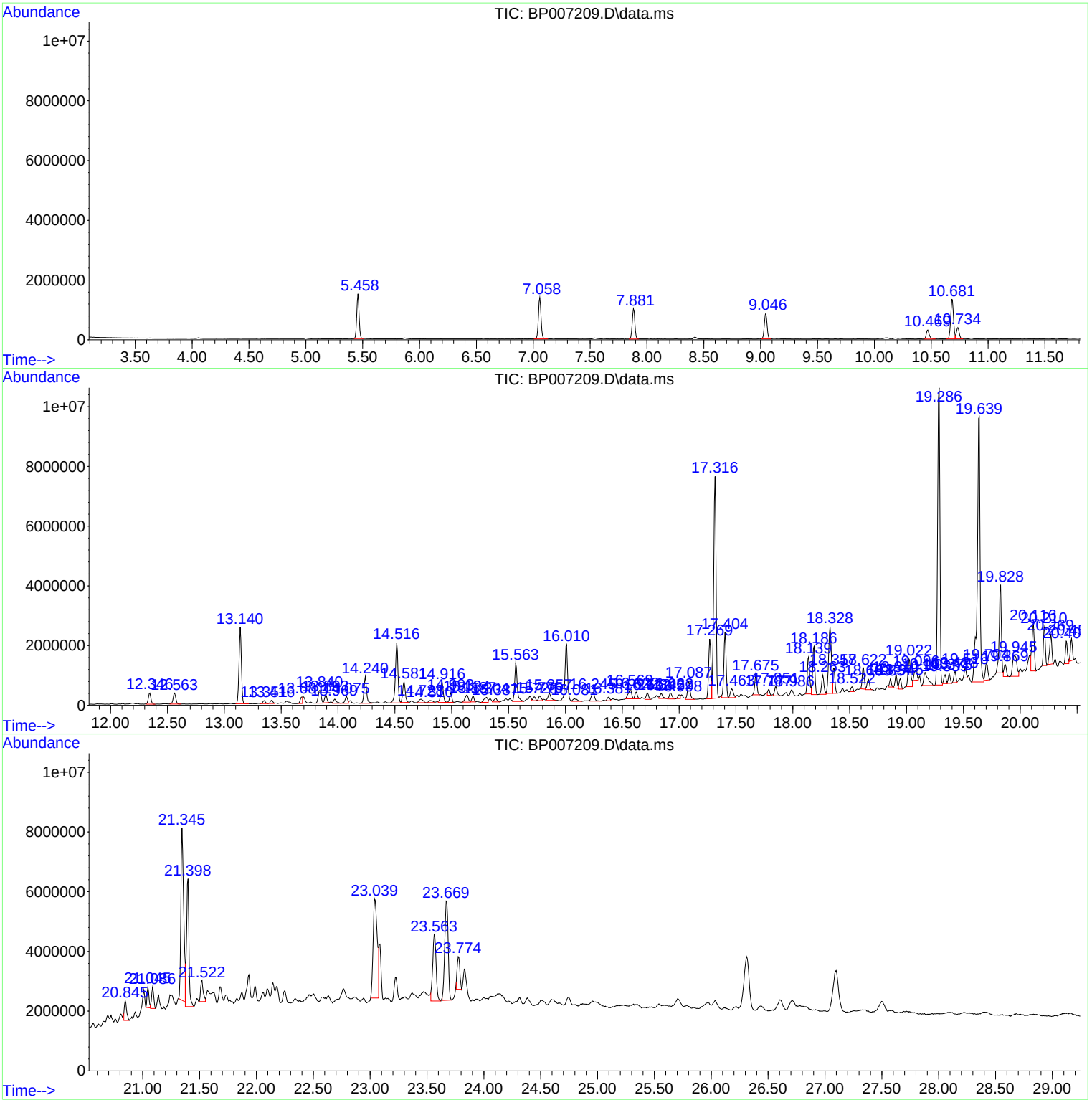
Sum of corrected areas: 157947344

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-5

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\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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

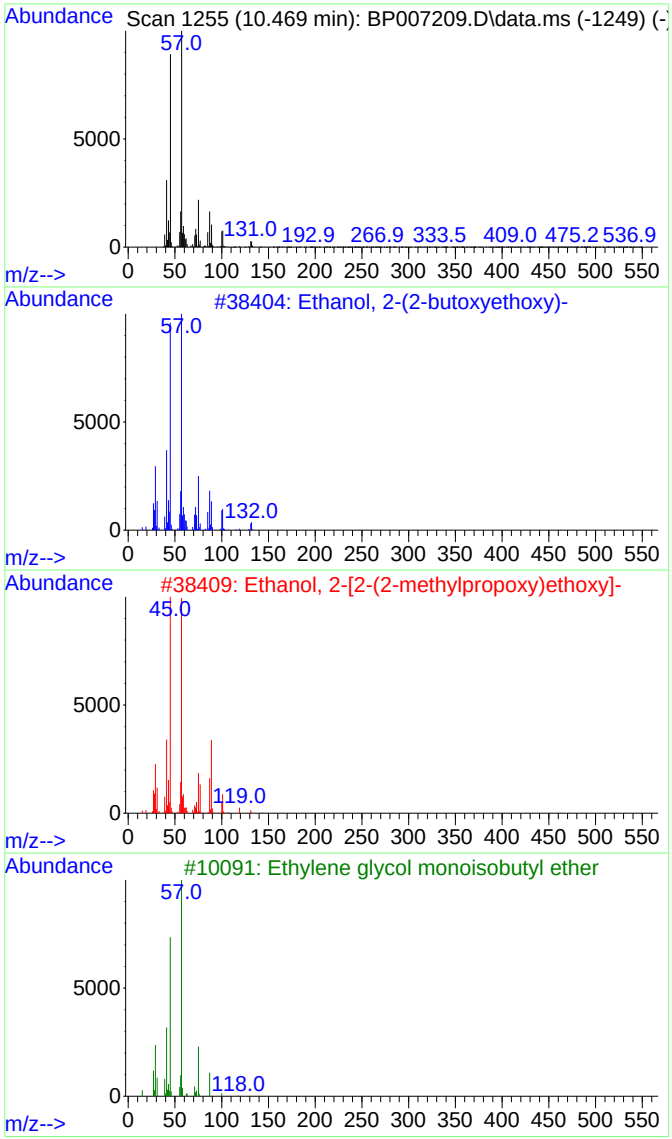
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

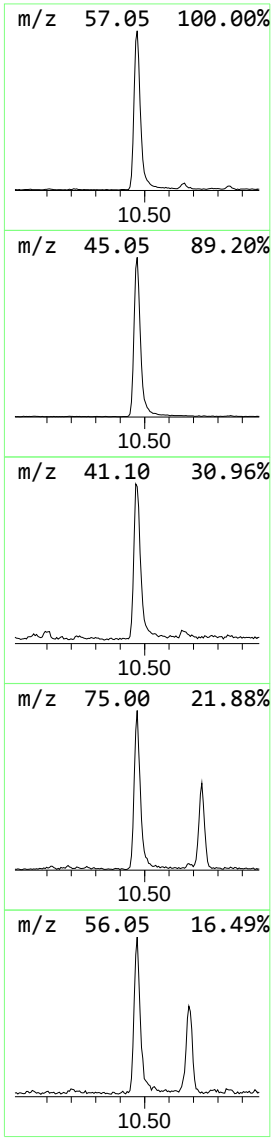
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	4.97 ng	566780	Naphthalene-d8	10.681

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	78
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50
5	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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

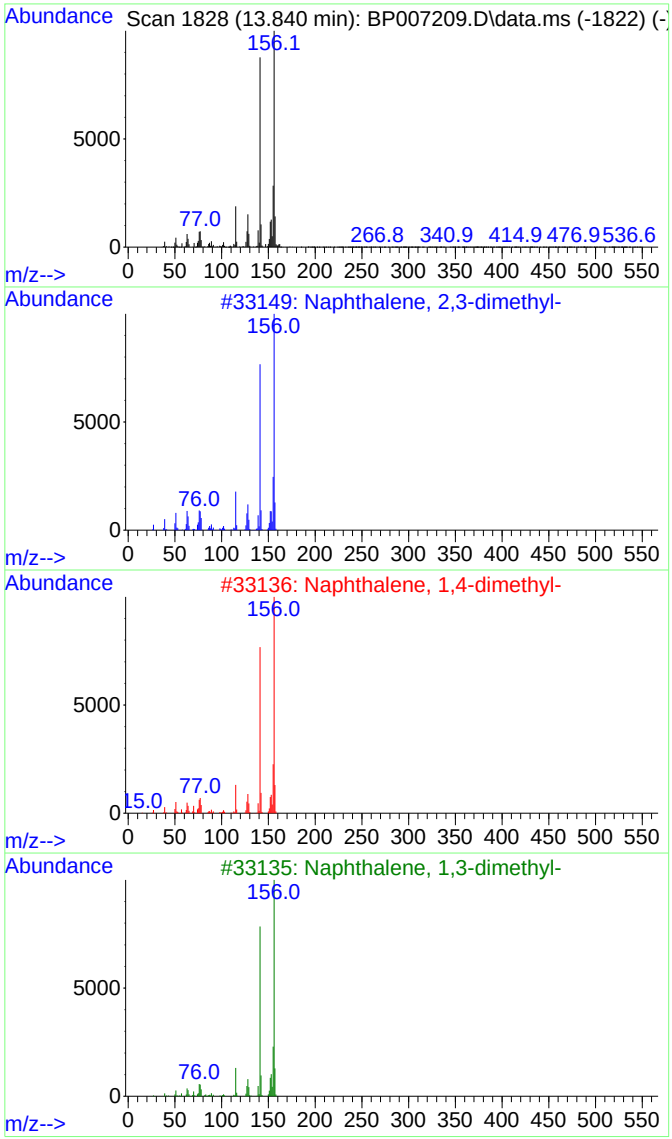
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

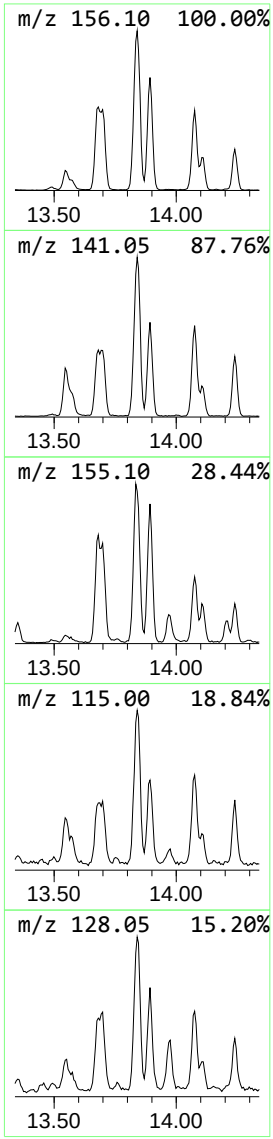
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	4.92 ng	770451	Acenaphthene-d10	14.516

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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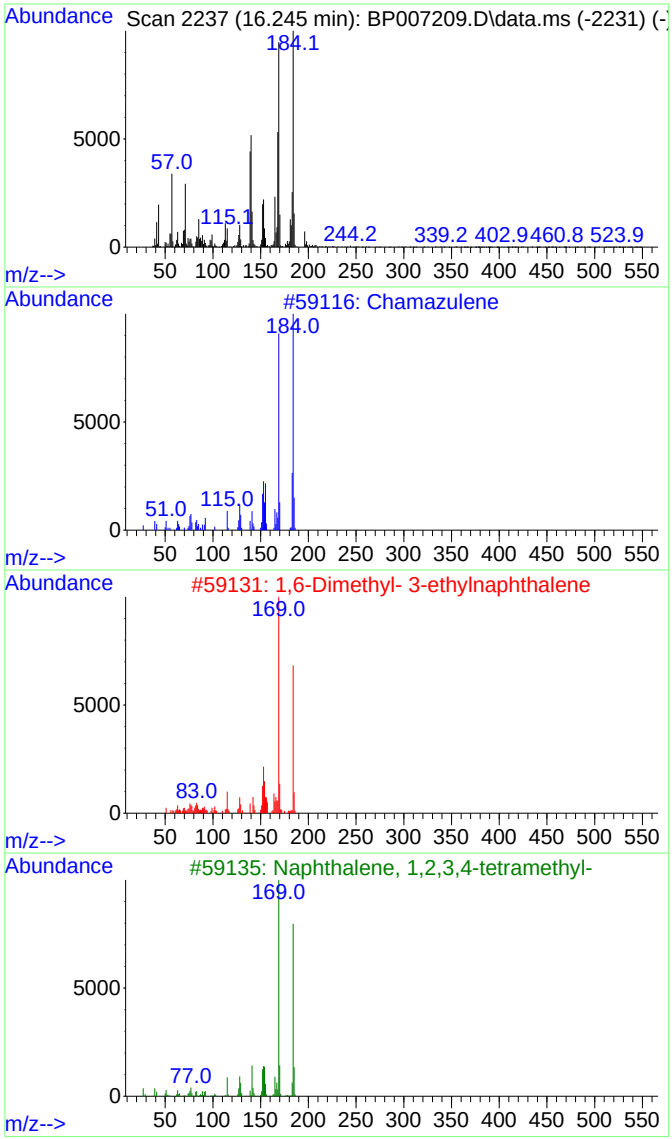
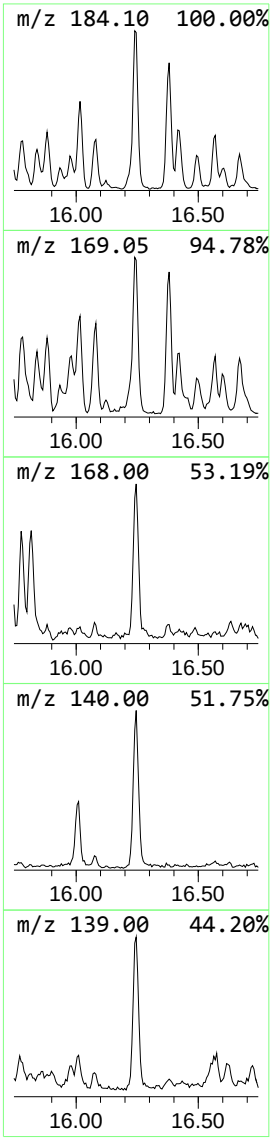
Peak Number 3 Chamazulene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.245	3.96 ng	568386	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	91
2	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	46
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	45
4	2-Isopropyl-3-methylnaphthalene	184	C14H16	1000383-71-2	43
5	3-Biphenylmethanol	184	C13H12O	069605-90-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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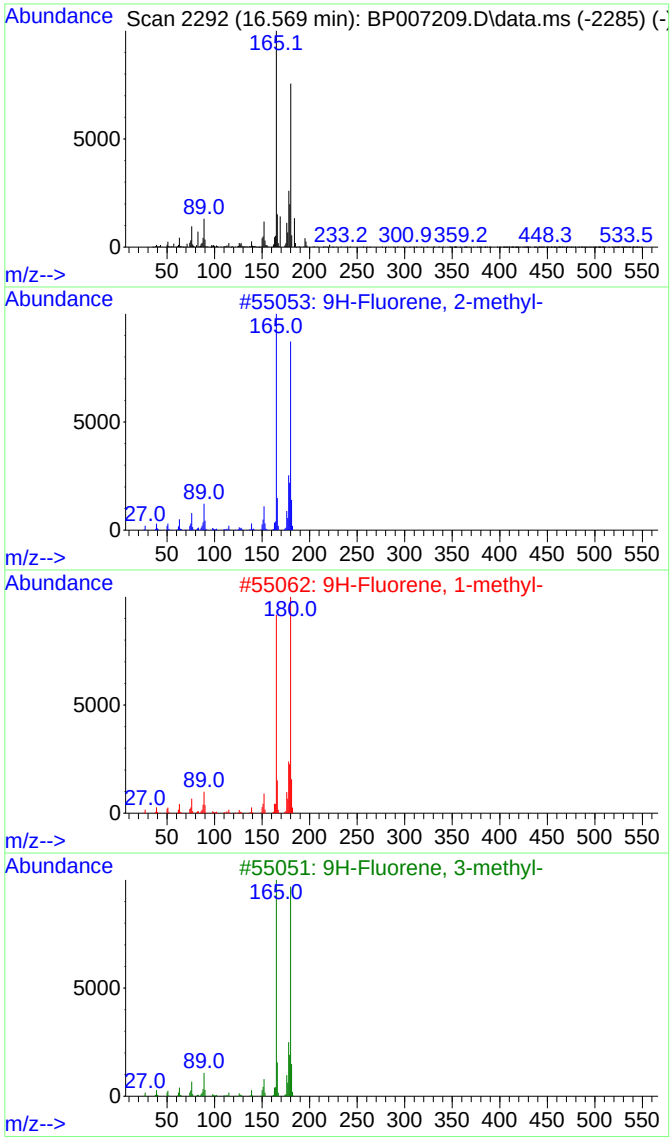
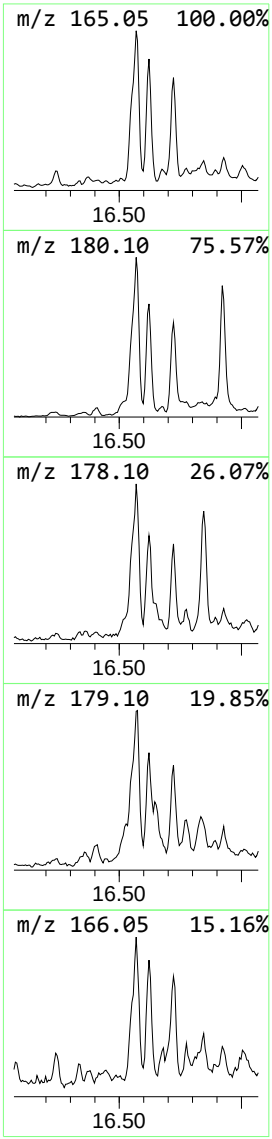
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.569	4.51 ng	648201	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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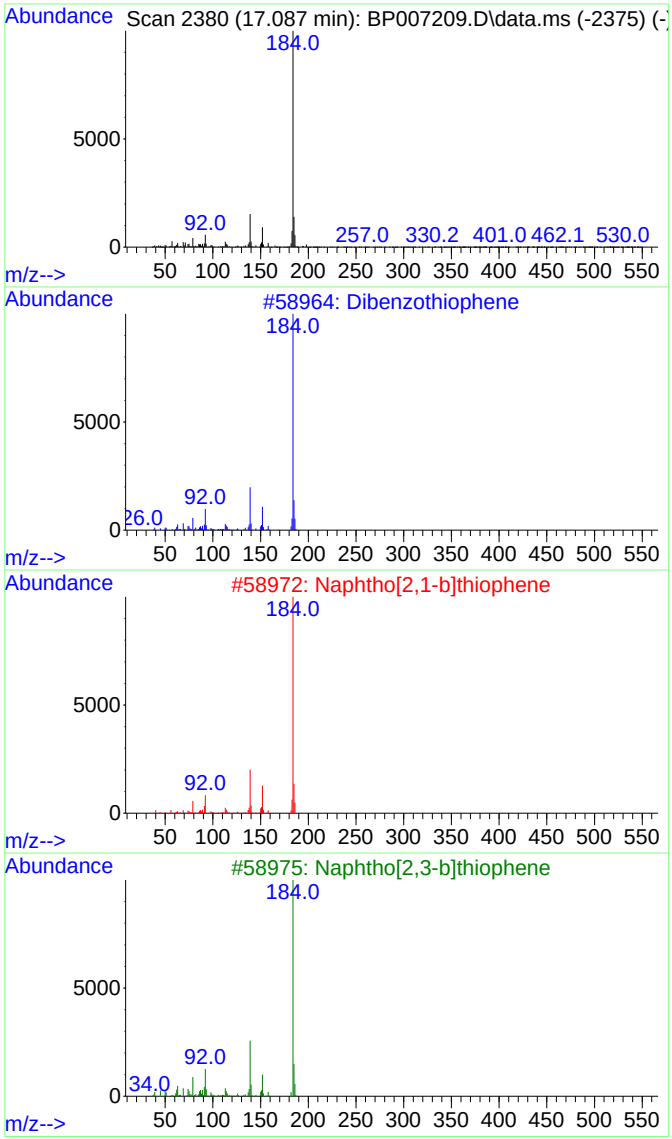
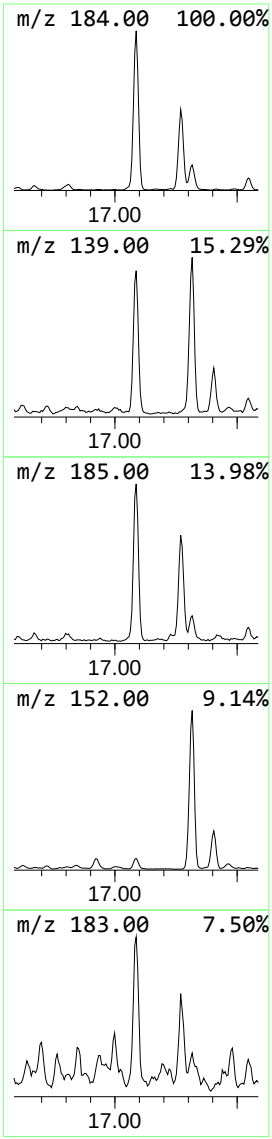
Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.087	6.72 ng	965231	Phenanthrene-d10	17.269

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	95
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	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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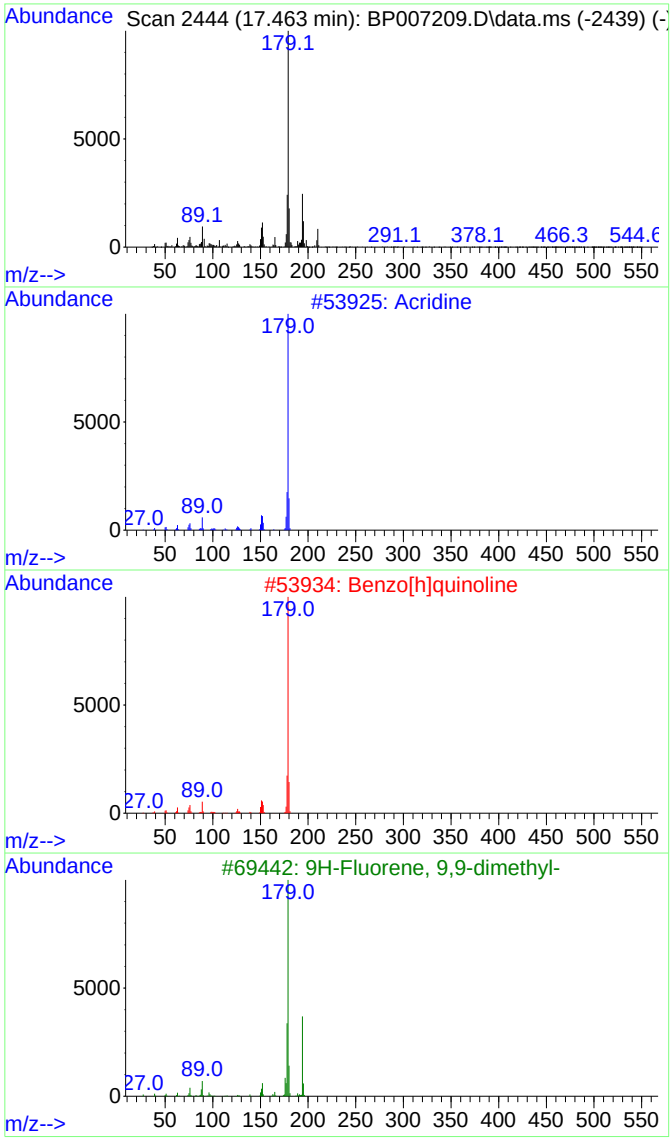
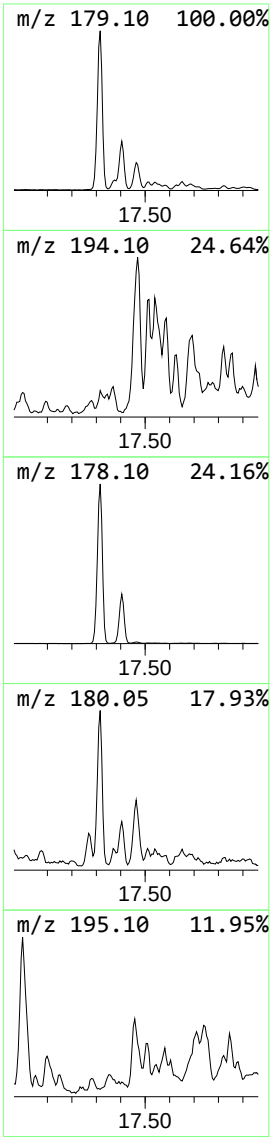
Peak Number 6 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.463	3.80 ng	545552	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	95
3	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	80
4	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	70
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	64





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Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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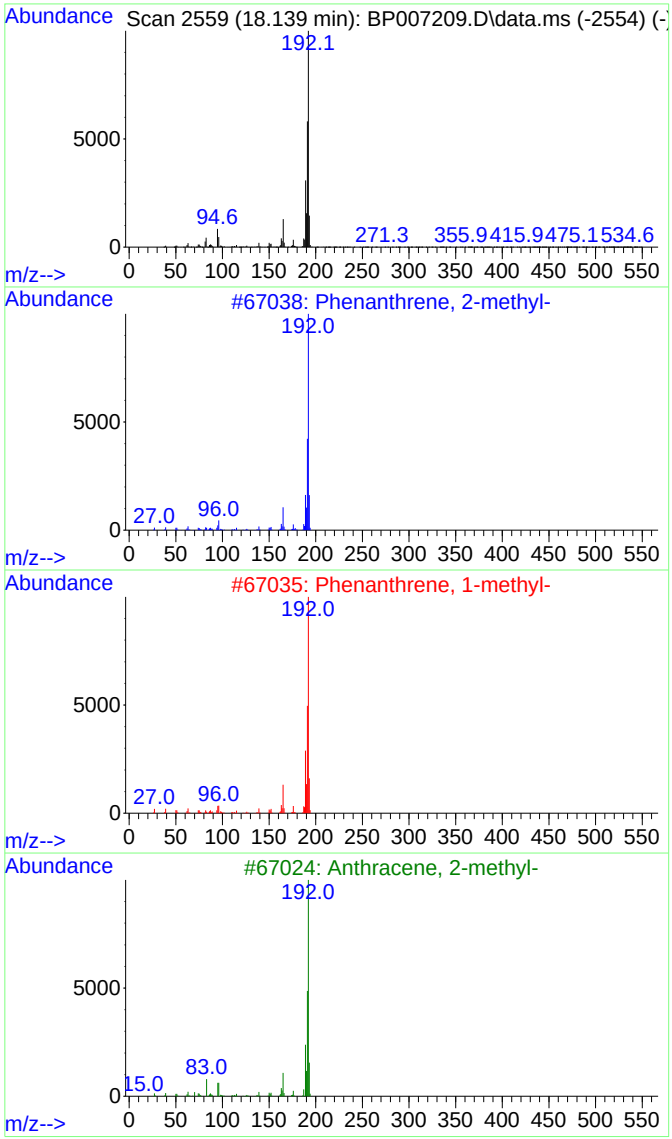
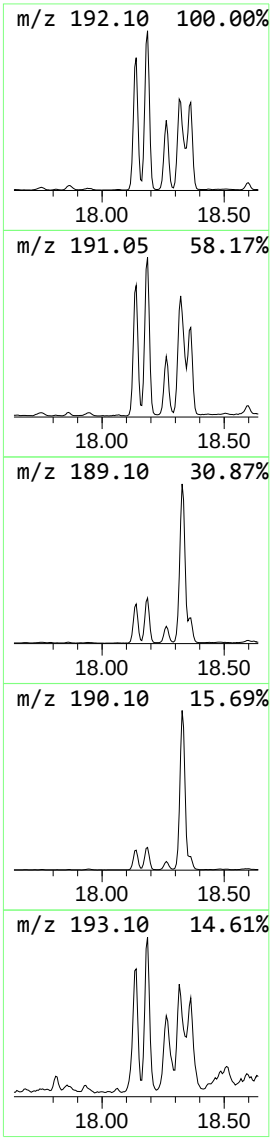
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.139	12.45 ng	1788030	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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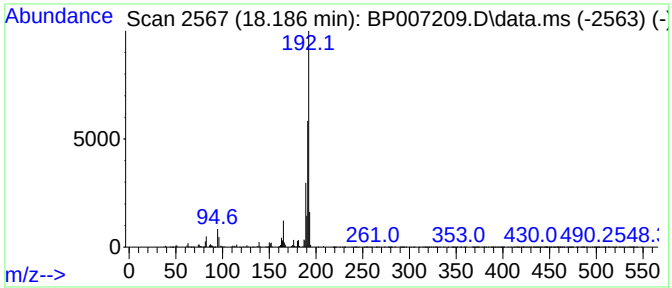
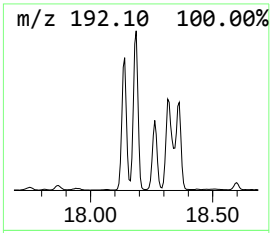
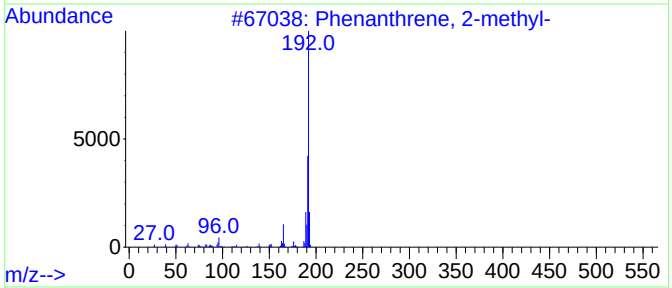
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

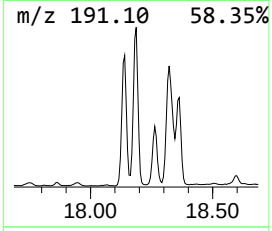
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.186	15.17 ng	2178510	Phenanthrene-d10	17.269

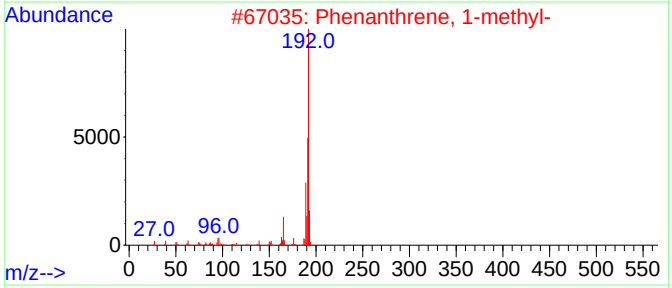
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93

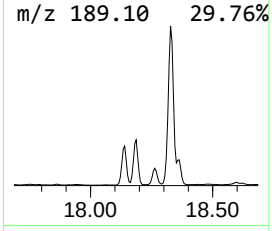


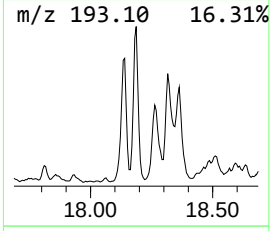


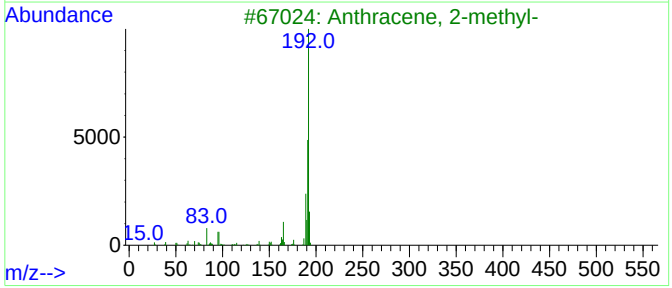


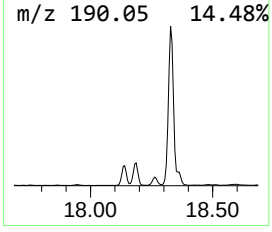












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Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

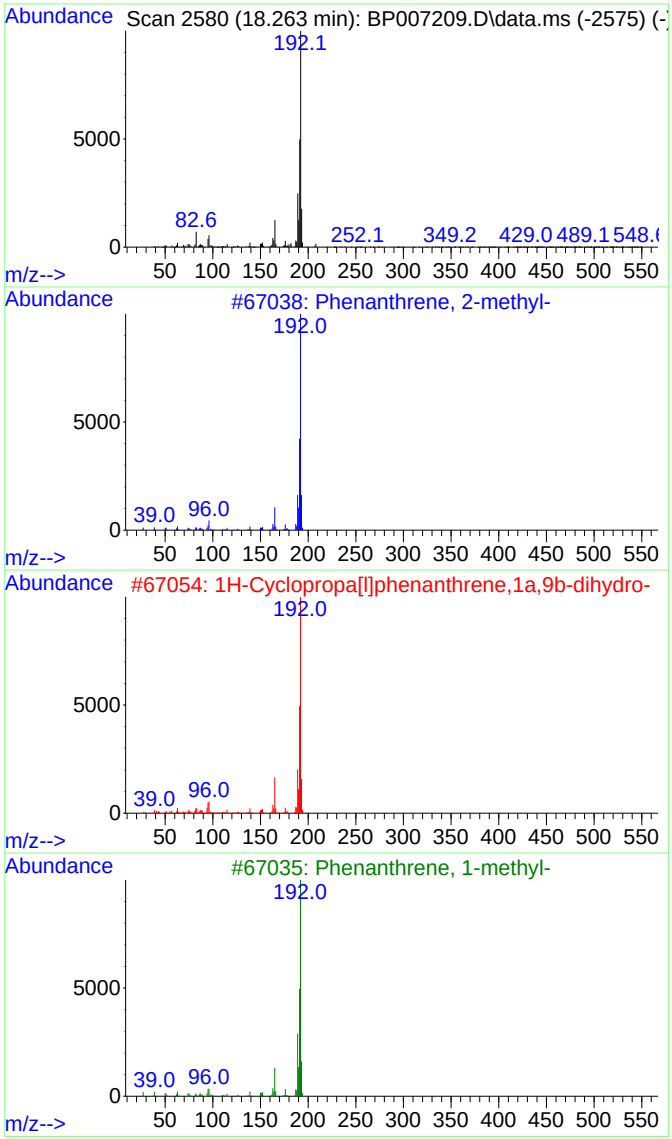
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

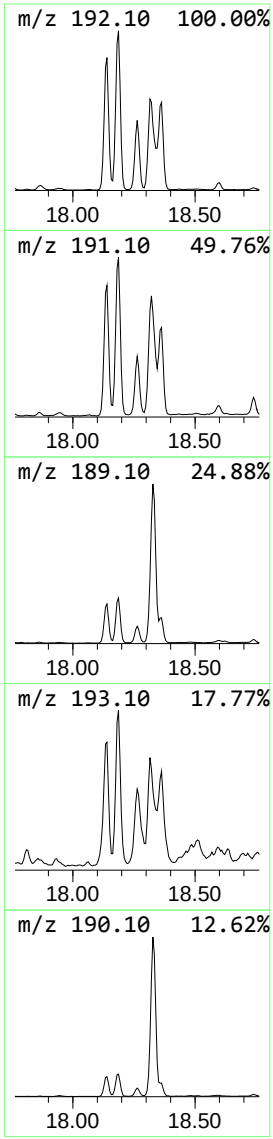
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.263	6.53 ng	936942	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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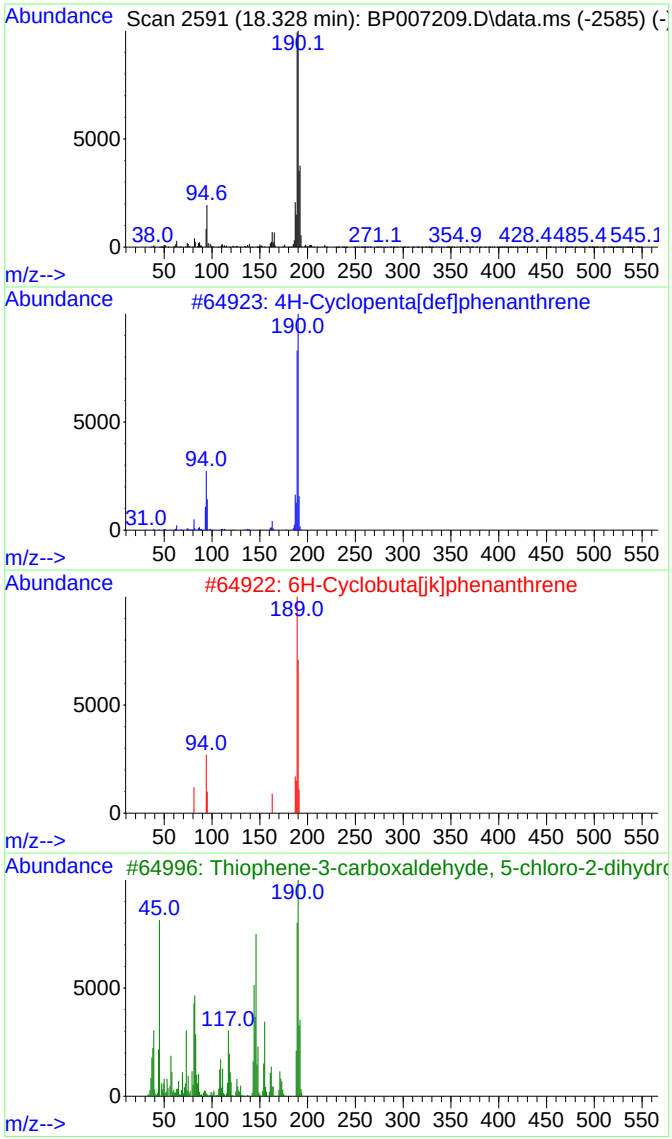
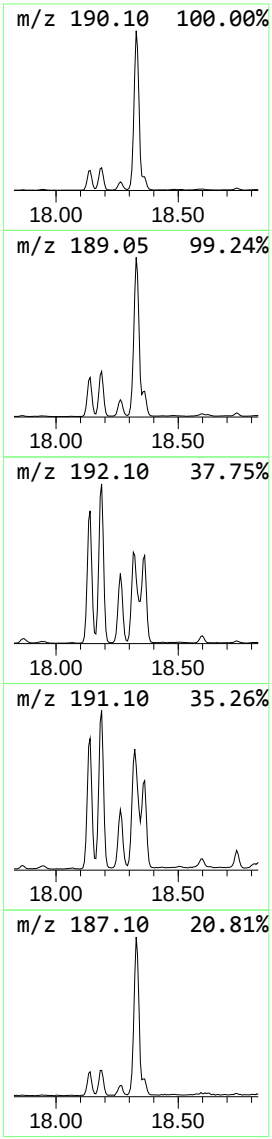
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.328	27.67 ng	3972480	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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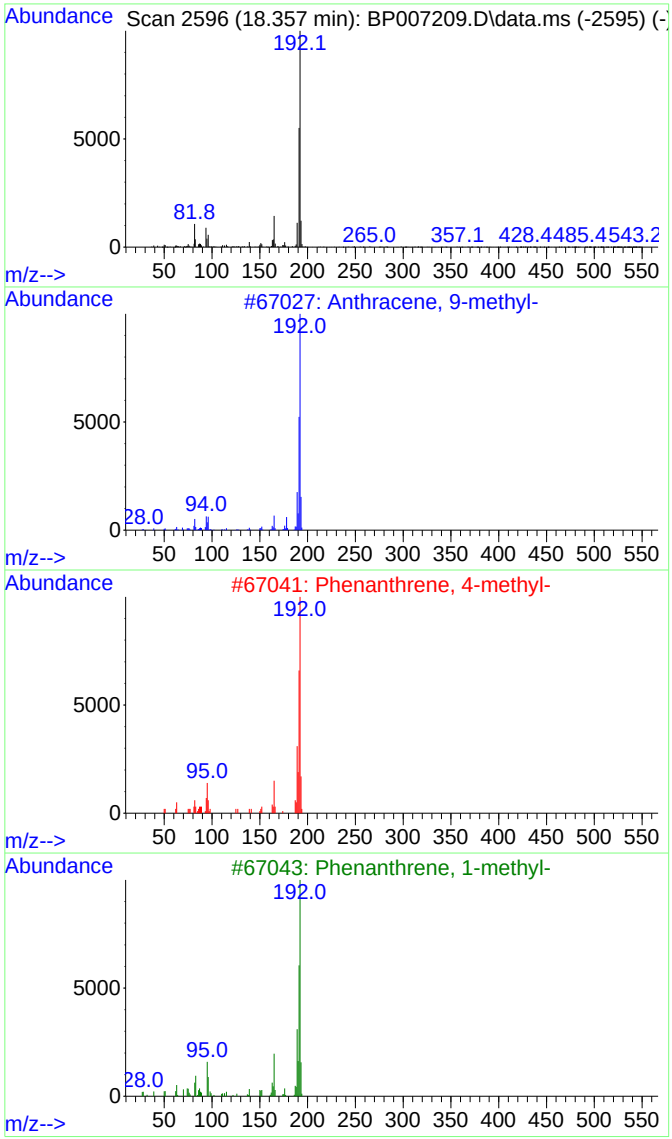
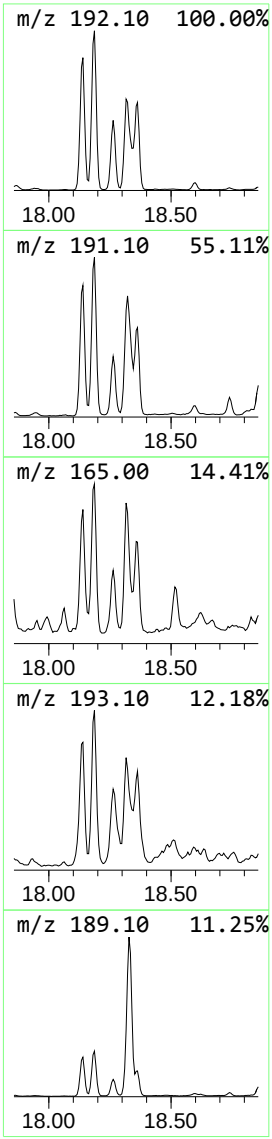
Peak Number 11 Anthracene, 9-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.357	6.22 ng	893185	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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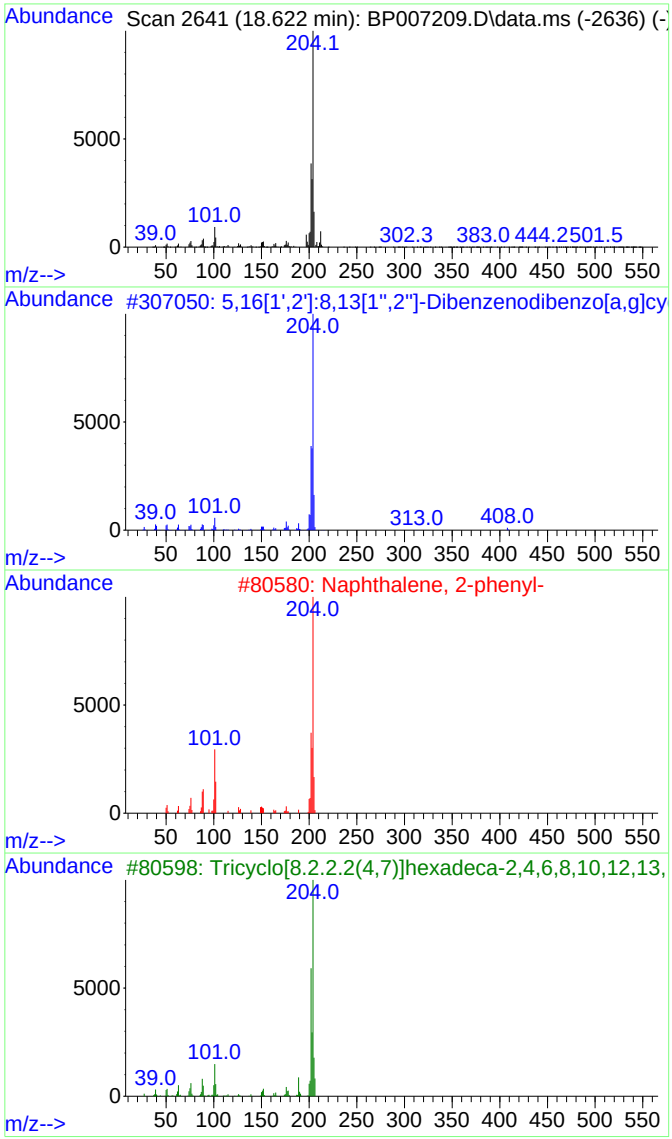
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

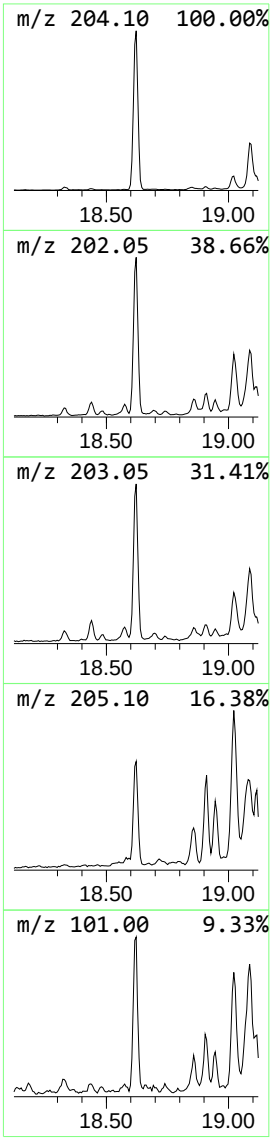
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.622	6.38 ng	915820	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47





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Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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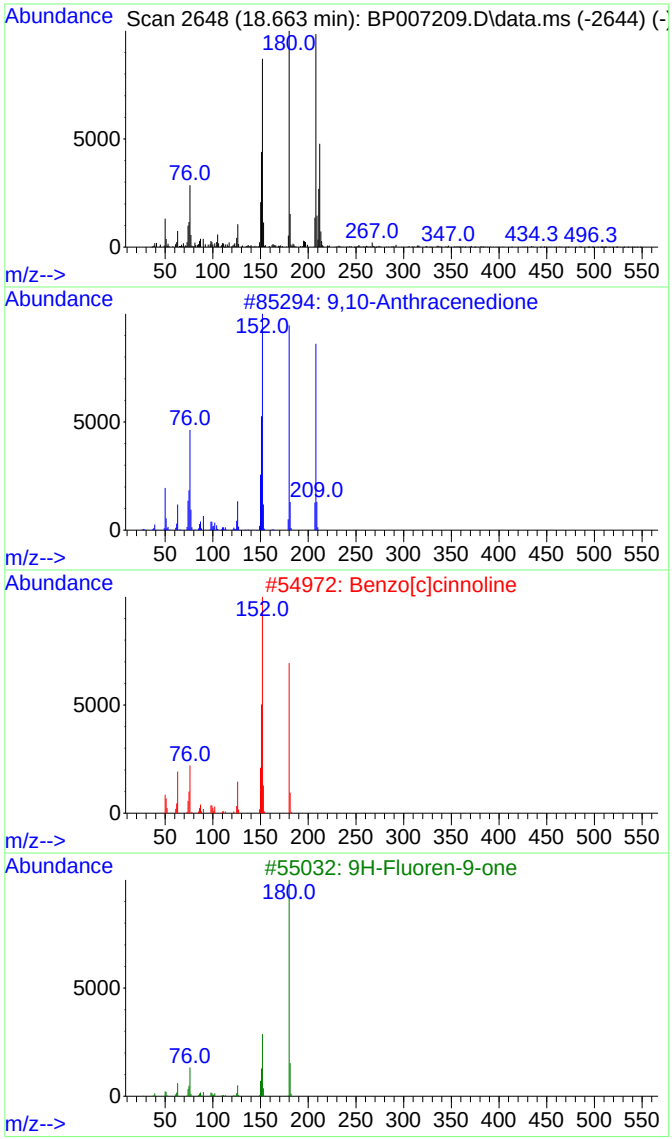
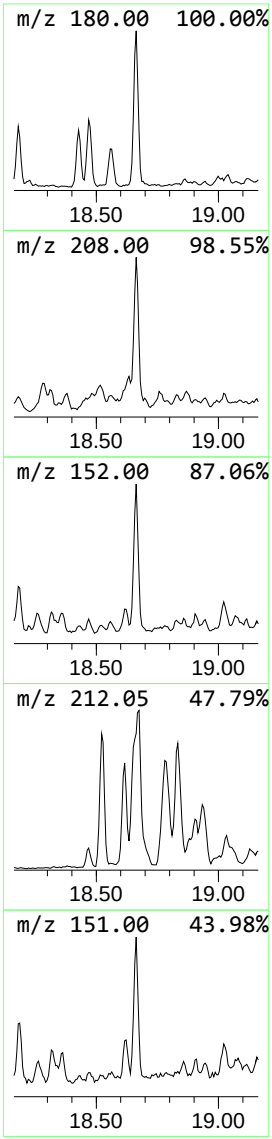
Peak Number 13 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	3.49 ng	501582	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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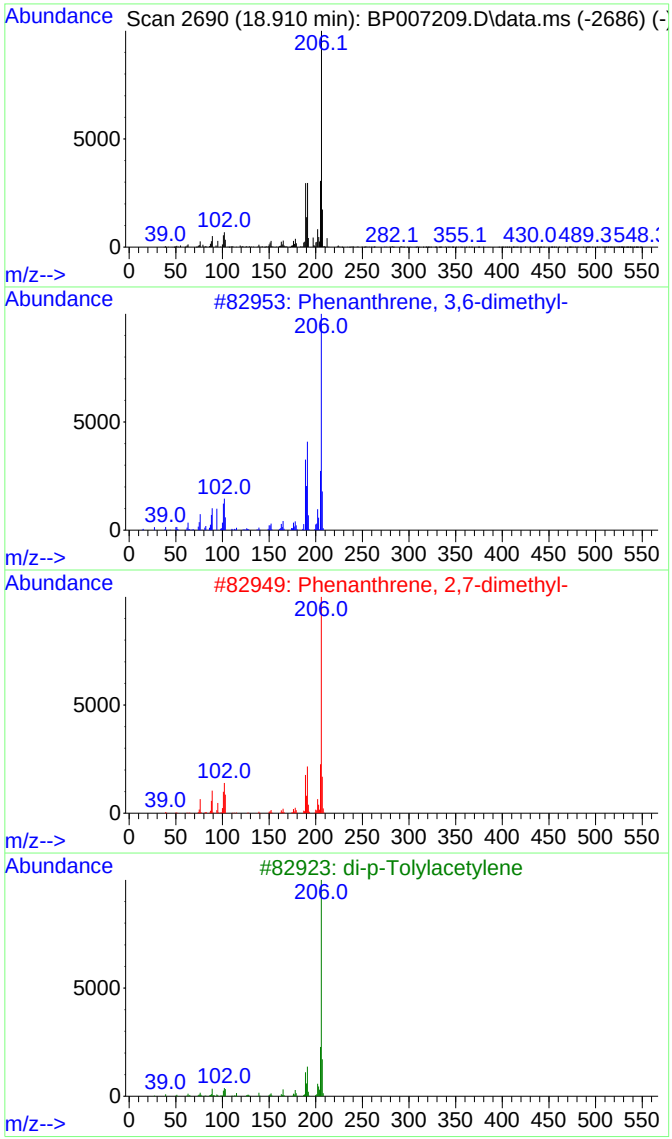
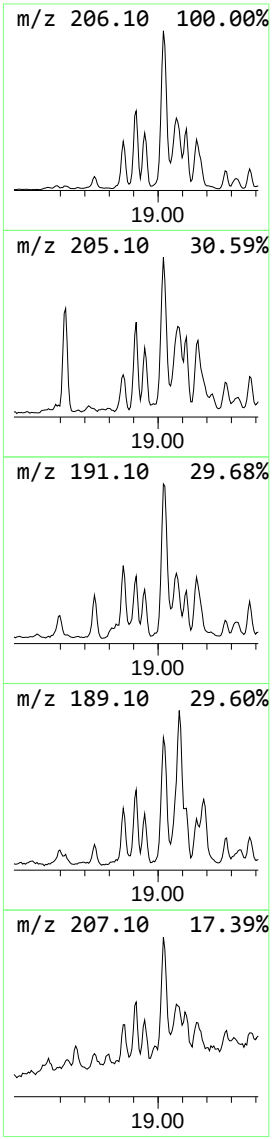
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	3.81 ng	546840	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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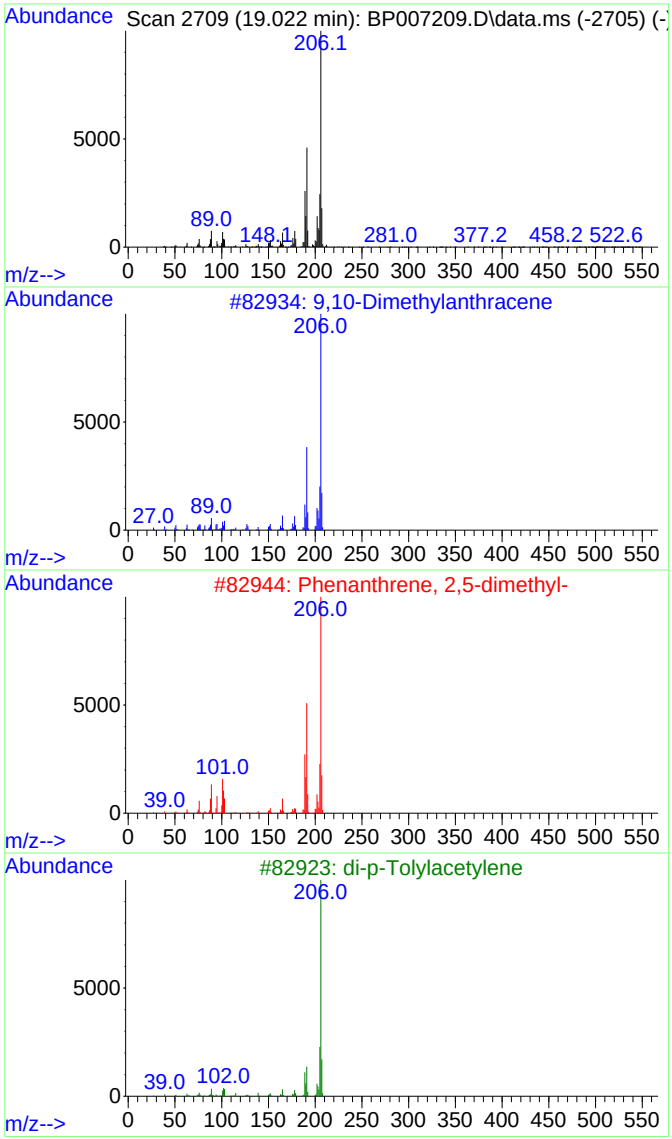
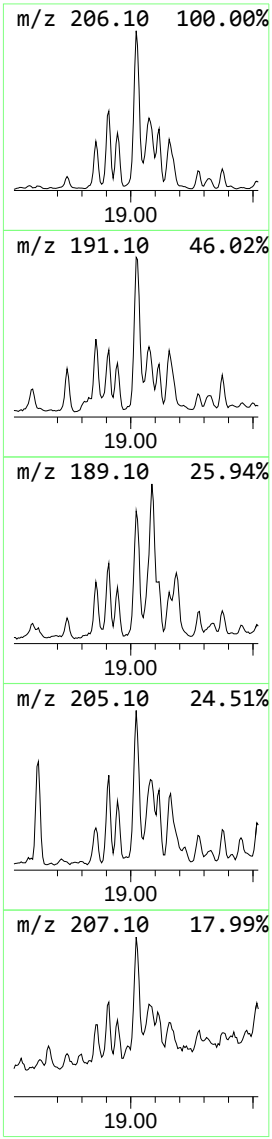
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.022	10.64 ng	1528120	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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TIC Library : C:\Database\NIST20.L
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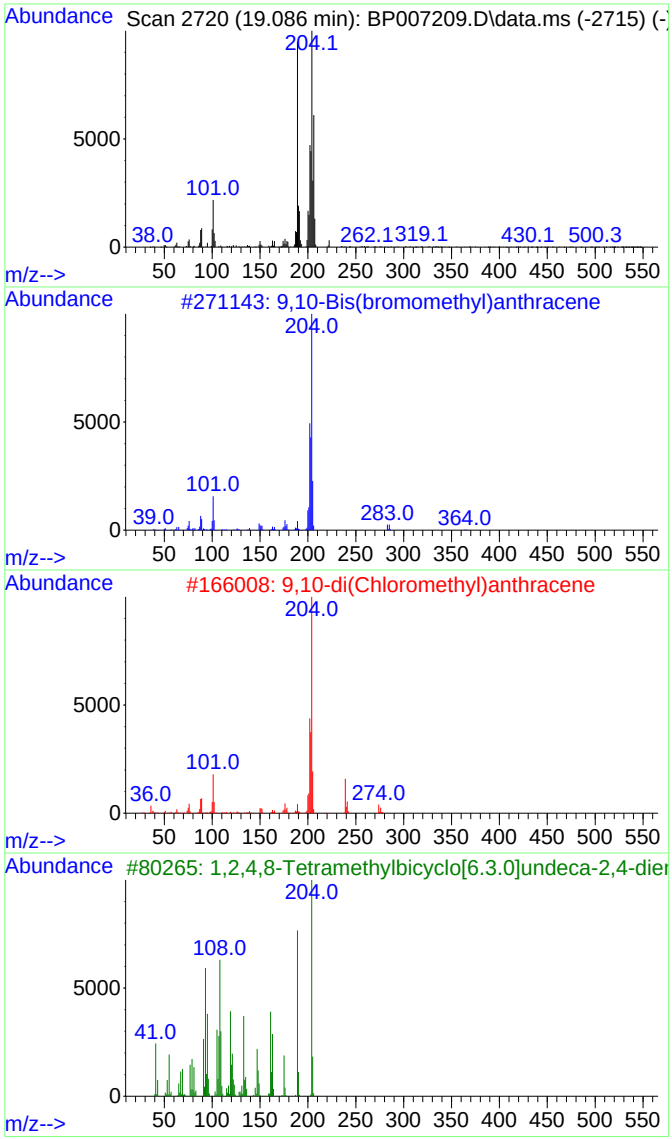
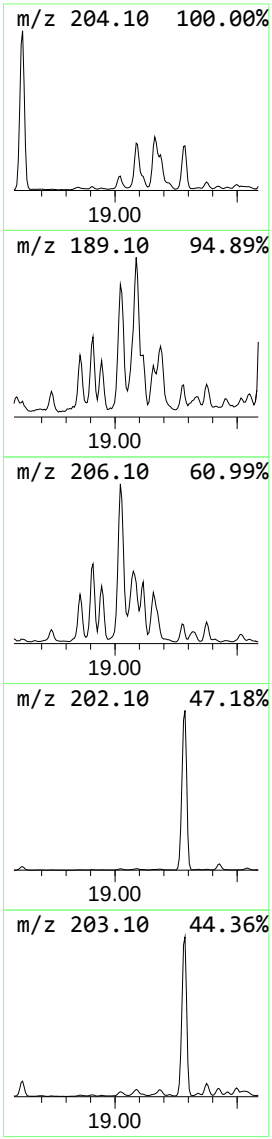
Peak Number 16 unknown19.086 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.086	4.36 ng	625413	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	46
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38





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Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

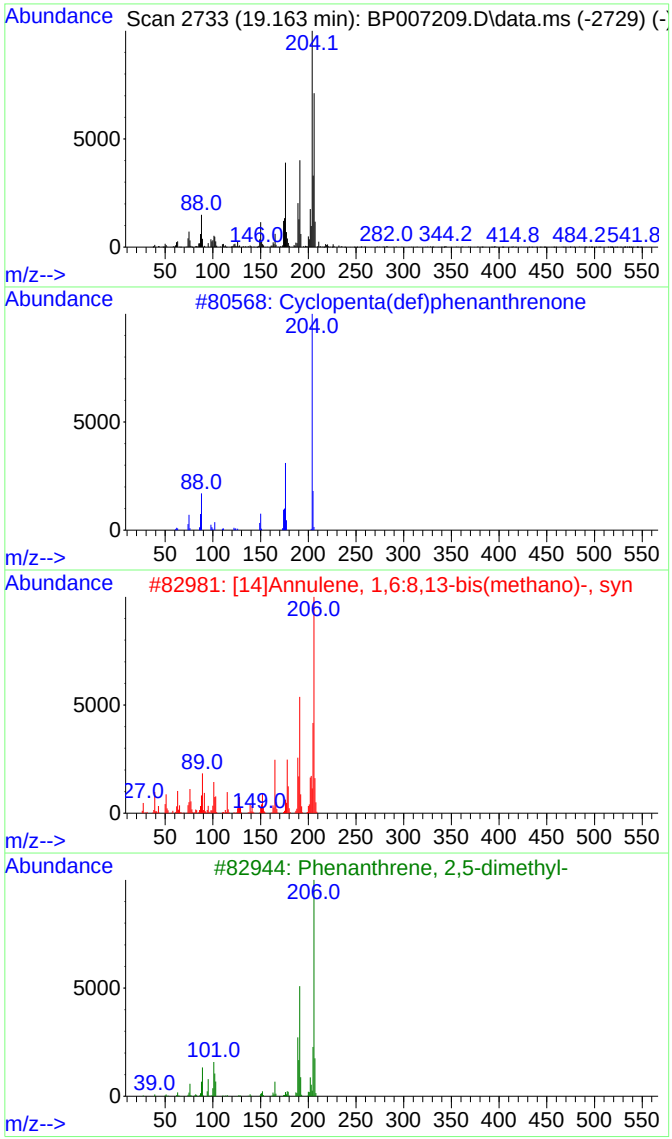
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

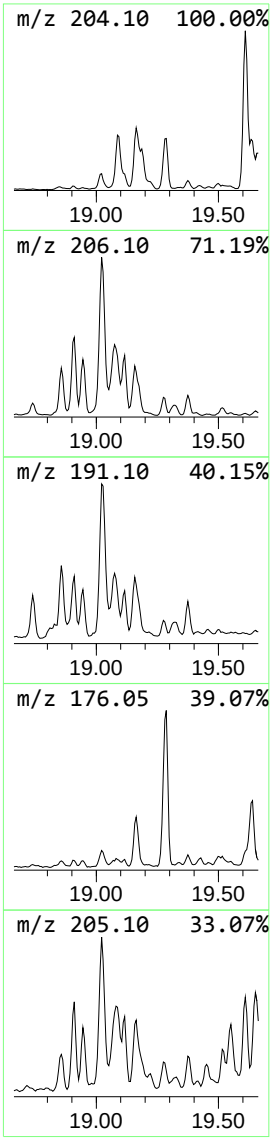
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.163	8.01 ng	1150660	Phenanthrene-d10	17.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	84
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	46
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	43





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Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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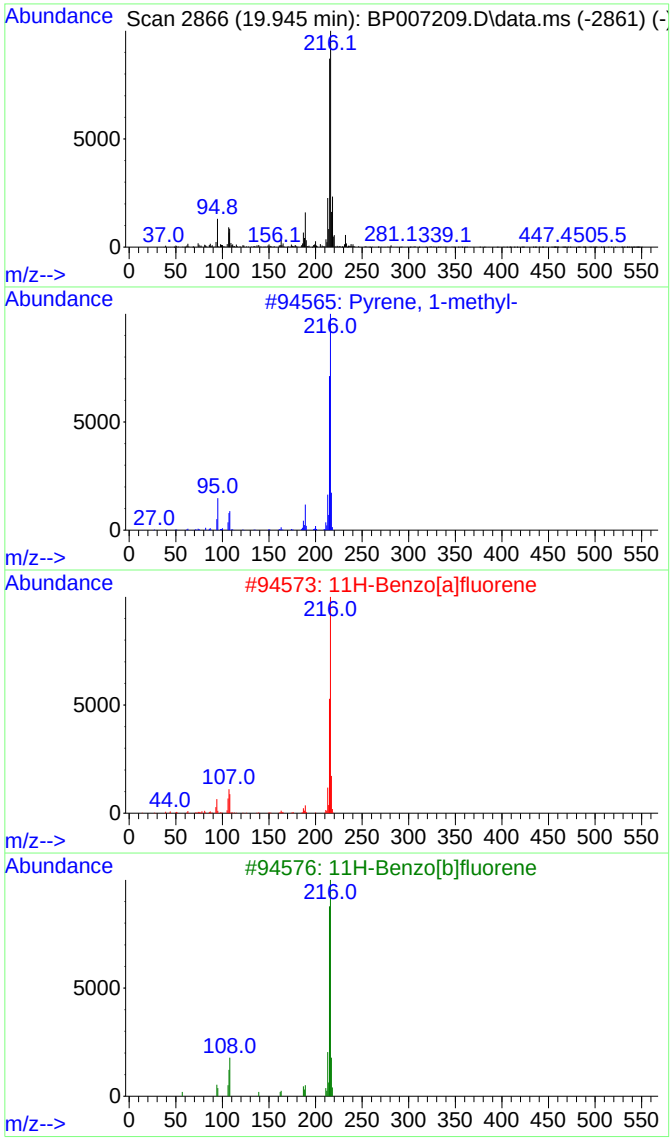
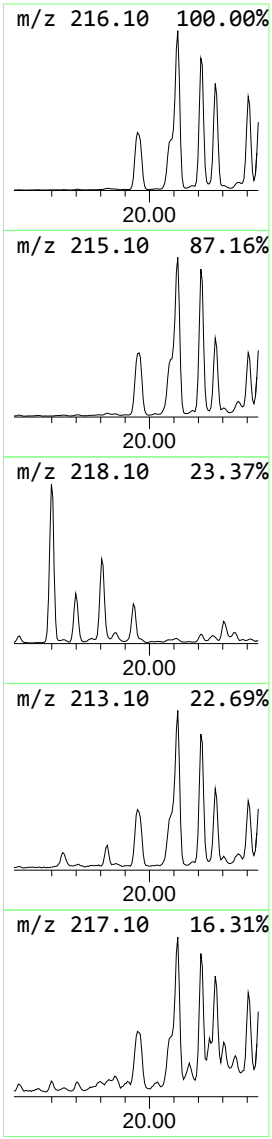
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.945	3.67 ng	1810000	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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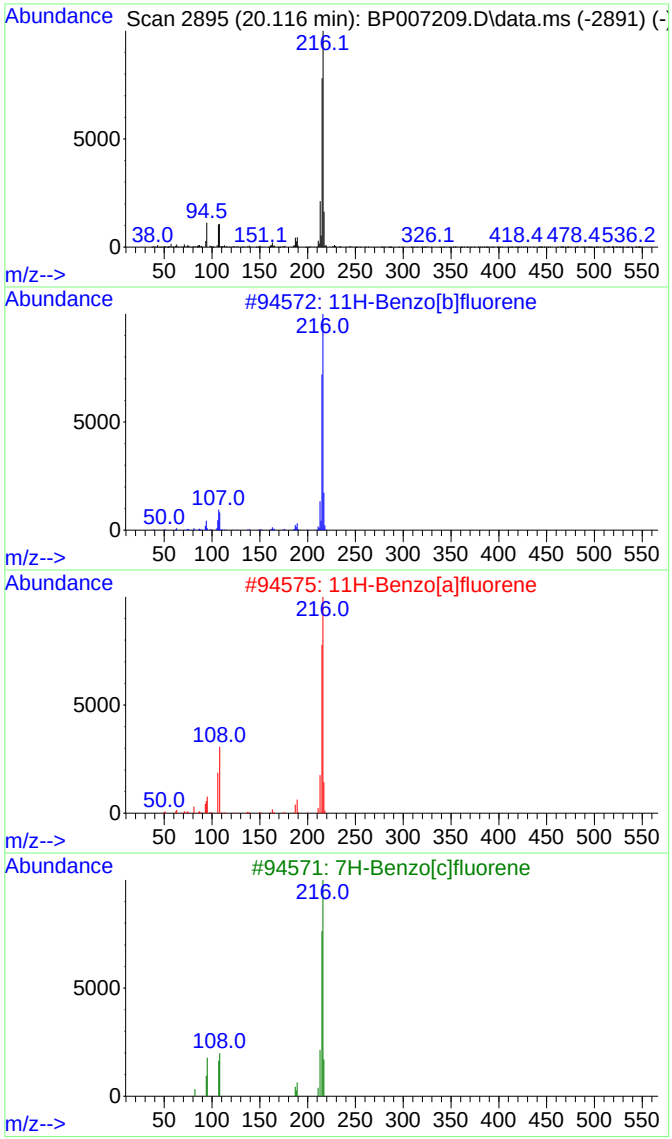
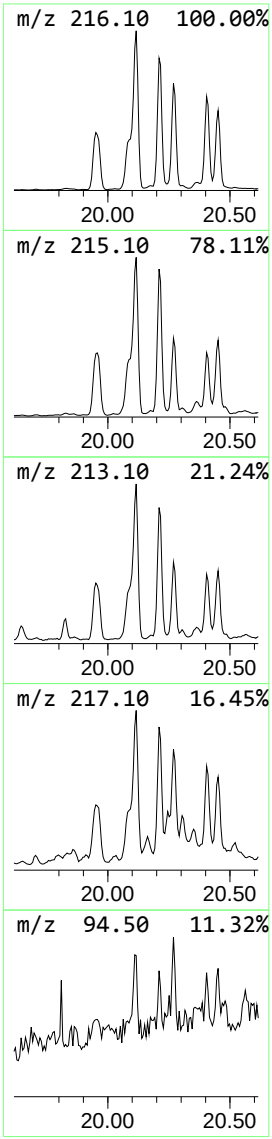
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	4.57 ng	2255900	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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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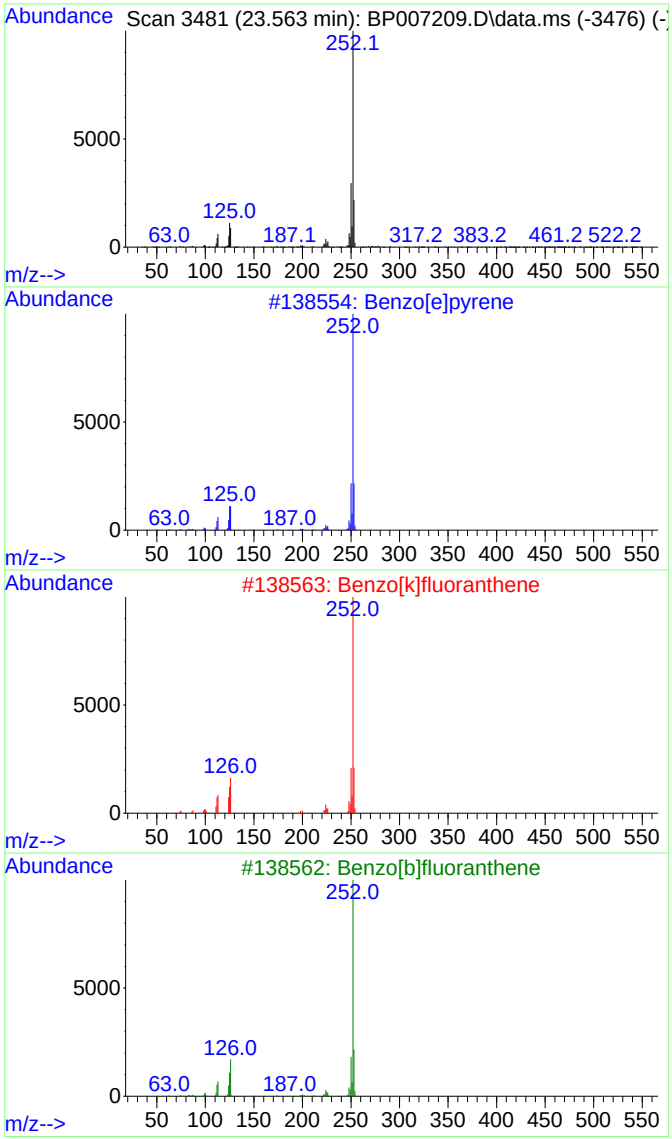
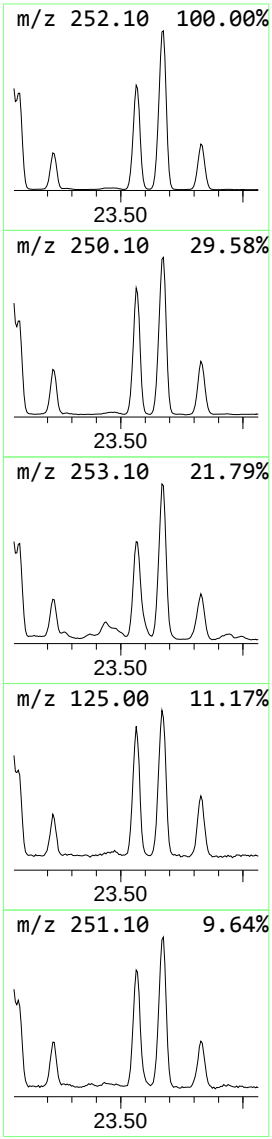
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.563	52.60 ng	4615850	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[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092721\
Data File : BP007209.D
Acq On : 27 Sep 2021 17:15
Operator : CG/JU
Sample : M3934-01 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : TP-5

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...	10.469	5.0	ng	566780	2	10.681	2280030	20.0
Naphthalene, 2,...	13.840	4.9	ng	770451	3	14.516	3129460	20.0
Chamazulene	16.245	4.0	ng	568386	4	17.269	2871740	20.0
9H-Fluorene, 2-...	16.569	4.5	ng	648201	4	17.269	2871740	20.0
Dibenzothiophene	17.087	6.7	ng	965231	4	17.269	2871740	20.0
Acridine	17.463	3.8	ng	545552	4	17.269	2871740	20.0
Phenanthrene, 1...	18.139	12.4	ng	1788030	4	17.269	2871740	20.0
Phenanthrene, 2...	18.186	15.2	ng	2178510	4	17.269	2871740	20.0
1H-Cyclopropa[l...	18.263	6.5	ng	936942	4	17.269	2871740	20.0
4H-Cyclopenta[d...	18.328	27.7	ng	3972480	4	17.269	2871740	20.0
Anthracene, 9-m...	18.357	6.2	ng	893185	4	17.269	2871740	20.0
5,16[1',2']:8,1...	18.622	6.4	ng	915820	4	17.269	2871740	20.0
9,10-Anthracene...	18.663	3.5	ng	501582	4	17.269	2871740	20.0
Phenanthrene, 3...	18.910	3.8	ng	546840	4	17.269	2871740	20.0
9,10-Dimethylan...	19.022	10.6	ng	1528120	4	17.269	2871740	20.0
unknown19.086	19.086	4.4	ng	625413	4	17.269	2871740	20.0
Cyclopenta(def)...	19.163	8.0	ng	1150660	4	17.269	2871740	20.0
Pyrene, 1-methyl-	19.945	3.7	ng	1810000	5	21.357	9868050	20.0
11H-Benzo[b]flu...	20.116	4.6	ng	2255900	5	21.357	9868050	20.0
Benzo[e]pyrene	23.563	52.6	ng	4615850	6	23.774	1755090	20.0