LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003306.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.228	392	398	412	rBV	1354259	2002338	39.39%	3.943%
2	6.811	660	667	683	rBV	1143478	1957006	38.49%	3.854%
3	7.617	796	804	814	rBV	404490	639975	12.59%	1.260%
4	8.764	988	999	1028	rBV	800936	1427820	28.08%	2.812%
5	10.393	1269	1276	1294	rBV	443849	872690	17.17%	1.718%
6	12.075	1555	1562	1573	rBV2	24983	62519	1.23%	0.123%
7	12.199	1576	1583	1593	rVV	33564	83424	1.64%	0.164%
8	12.293	1593	1599	1608	rVB	47671	84471	1.66%	0.166%
9	12.881	1691	1699	1718	rBV	1804246	2832125	55.71%	5.577%
10	13.093	1730	1735	1745	rVB	56159	88331	1.74%	0.174%
11	13.428	1784	1792	1793	rBV	49455	71929	1.41%	0.142%
12	13.587	1809	1819	1824	rBV	95266	179930	3.54%	0.354%
13	13.640	1824	1828	1836	rVB	49400	75274	1.48%	0.148%
14	13.722	1836	1842	1851	rBV	168765	242504	4.77%	0.478%
15	13.822	1851	1859	1863	rBV2	33619	57714	1.14%	0.114%
16	13.981	1880	1886	1893	rVB2	38051	59757	1.18%	0.118%
17	14.263	1925	1934	1939	rBV	680934	1090505	21.45%	2.147%
18	14.322	1939	1944	1955	rVB	827523	1238174	24.35%	2.438%
19	14.575	1980	1987	1993	rVV	37196	57375	1.13%	0.113%
20	14.663	1993	2002	2011	rVV	438914	683424	13.44%	1.346%
21	15.316	2106	2113	2118	rBV	1137431	1605544	31.58%	3.162%
22	15.410	2125	2129	2131	rBV	43272	57726	1.14%	0.114%
23	15.440	2131	2134	2137	rVV2	84850	124789	2.45%	0.246%
24	15.481	2137	2141	2145	rVB	123356	177700	3.50%	0.350%
25	15.563	2152	2155	2159	rVV	61794	76544	1.51%	0.151%
26	15.616	2159	2164	2173	rVB	179320	268800	5.29%	0.529%
27	15.757	2180	2188	2197	rBV2	1405317	2325885	45.75%	4.580%
28	15.845	2201	2203	2211	rVB	44598	64988	1.28%	0.128%
29	15.981	2221	2226	2236	rBV2	249067	382421	7.52%	0.753%
30	16.110	2243	2248	2255	rVB3	42307	72865	1.43%	0.143%
31	16.322	2273	2284	2290	rBV2	339939	589201	11.59%	1.160%
32	16.375	2290	2293	2299	rVB2	59960	82183	1.62%	0.162%
33	16.475	2304	2310	2315	rVB2	72329	118028	2.32%	0.232%
34	16.557	2321	2324	2327	rVV	41093	52708	1.04%	0.104%
35	16.598	2327	2331	2334	rVB2	53284	69494	1.37%	0.137%
36	16.675	2340	2344	2351	rVB3	44516	88191	1.73%	0.174%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.751	2352	2357	2364	rBV3	75771	180433	3.55%	0.355%
38	16.834	2366	2371	2381	rVB	336871	514806	10.13%	1.014%
39	17.016	2396	2402	2405	rBV	695050	1061824	20.89%	2.091%
40	17.057	2405	2409	2416	rVV	3432339	5083952	100.00%	10.011%
41	17.145	2417	2424	2430	rVB	296949	459798	9.04%	0.905%
42	17.216	2430	2436	2447	rBV2	174381	318035	6.26%	0.626%
43	17.422	2466	2471	2475	rBV	75042	108315	2.13%	0.213%
44	17.469	2475	2479	2487	rVV2	32485	59327	1.17%	0.117%
45	17.540	2487	2491	2498	rVV2	69871	110685	2.18%	0.218%
46	17.598	2498	2501	2510	rVB2	47541	93097	1.83%	0.183%
47	17.740	2521	2525	2533	rVB	42320	76203	1.50%	0.150%
48	17.887	2542	2550	2554	rBV	327436	465104	9.15%	0.916%
49	17.939	2554	2559	2565	rVV	416651	620754	12.21%	1.222%
50	18.016	2567	2572	2577	rVV	127235	199656	3.93%	0.393%
51	18.081	2577	2583	2587	rVV2	616882	1006801	19.80%	1.983%
52	18.116	2587	2589	2596	rVB	137498	160762	3.16%	0.317%
53	18.375	2629	2633	2638	rBV	199401	266993	5.25%	0.526%
54	18.616	2667	2674	2679	rBV2	69419	106944	2.10%	0.211%
55	18.669	2679	2683	2686	rVV	54190	75901	1.49%	0.149%
56	18.704	2686	2689	2693	rVB	42668	53730	1.06%	0.106%
57	18.781	2698	2702	2707	rBV	77690	122757	2.41%	0.242%
58	18.845	2708	2713	2716	rVV4	38647	59071	1.16%	0.116%
59	18.916	2721	2725	2733	rBV2	64838	111020	2.18%	0.219%
60	19.039	2740	2746	2752	rBV	2766458	3725201	73.27%	7.336%
61	19.098	2752	2756	2759	rVV2	122750	153918	3.03%	0.303%
62	19.134	2759	2762	2766	rVB	57360	70797	1.39%	0.139%
63	19.269	2781	2785	2789	rVB2	73946	97866	1.92%	0.193%
64	19.386	2795	2805	2814	rBV2	1709876	2954416	58.11%	5.818%
65	19.463	2814	2818	2825	rVB2	81267	123931	2.44%	0.244%
66	19.586	2831	2839	2844	rBV	2343425	3128651	61.54%	6.161%
67	19.704	2854	2859	2866	rBV4	93297	237150	4.66%	0.467%
68	19.834	2877	2881	2883	rVV2	76263	115401	2.27%	0.227%
69	19.875	2884	2888	2893	rVB	388944	496304	9.76%	0.977%
70	19.969	2900	2904	2908	rBV2	416123	510365	10.04%	1.005%
71	20.028	2908	2914	2917	rVV2	128747	229406	4.51%	0.452%
72	20.063	2917	2920	2924	rVV2	58138	78589	1.55%	0.155%
73	20.163	2934	2937	2941	rBV2	45119	64069	1.26%	0.126%
74	20.210	2941	2945	2949	rVB3	43643	62195	1.22%	0.122%
75	20.375	2969	2973	2978	rBV2	53819	82229	1.62%	0.162%
76	20.486	2989	2992	2996	rVB	70664	85367	1.68%	0.168%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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\8270-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.563	3002	3005	3009	rBV	41275	68722	1.35%	0.135%
78	20.763	3035	3039	3043	rBV	166258	220632	4.34%	0.434%
79	20.798	3043	3045	3048	rVB	92462	91995	1.81%	0.181%
80	20.839	3048	3052	3057	rBV2	272649	391434	7.70%	0.771%
81	20.986	3073	3077	3082	rBV2	96972	155680	3.06%	0.307%
82	21.033	3082	3085	3087	rVV	107857	135458	2.66%	0.267%
83	21.057	3087	3089	3092	rVV	325563	403005	7.93%	0.794%
84	21.104	3092	3097	3101	rVV2	1096361	2040917	40.14%	4.019%
85	21.145	3101	3104	3114	rVB2	512724	758905	14.93%	1.494%
86	21.257	3120	3123	3131	rVB2	72852	106777	2.10%	0.210%
87	21.369	3139	3142	3145	rVB	113199	121424	2.39%	0.239%
88	21.416	3146	3150	3156	rVB2	78668	115748	2.28%	0.228%
89	22.657	3356	3361	3366	rBV	324579	674095	13.26%	1.327%
90	23.127	3437	3441	3450	rVB	155267	282788	5.56%	0.557%
91	23.222	3452	3457	3464	rBV	192090	350428	6.89%	0.690%
92	23.322	3467	3474	3480	rBV2	734649	1368444	26.92%	2.695%

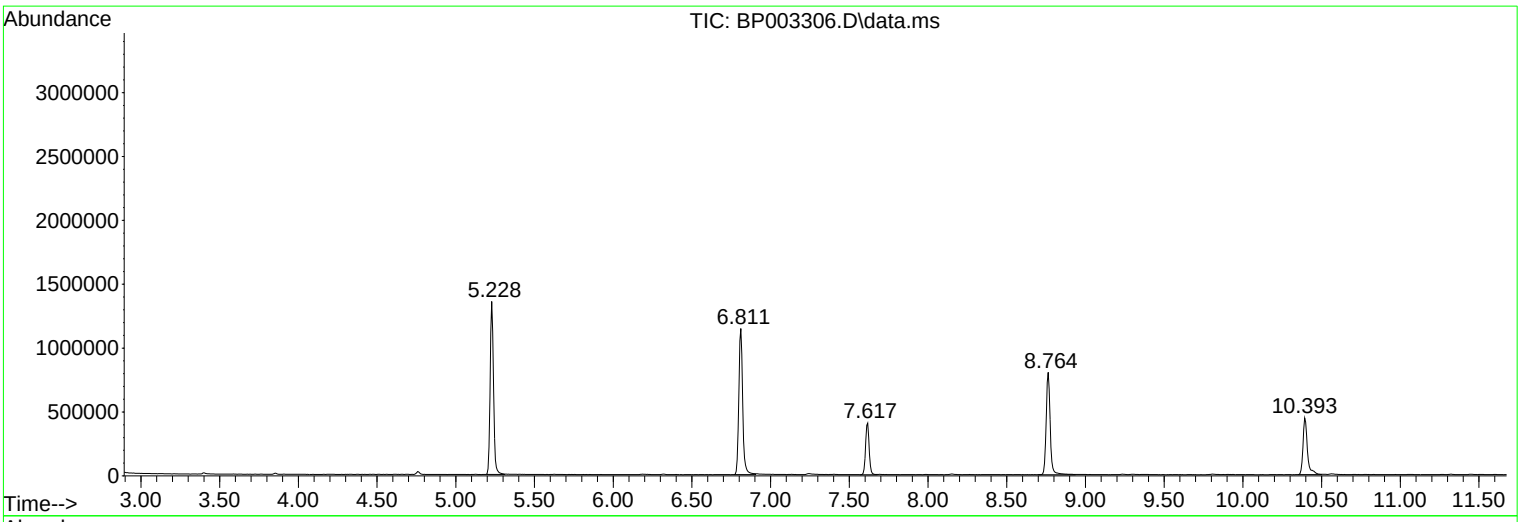
Sum of corrected areas: 50782627

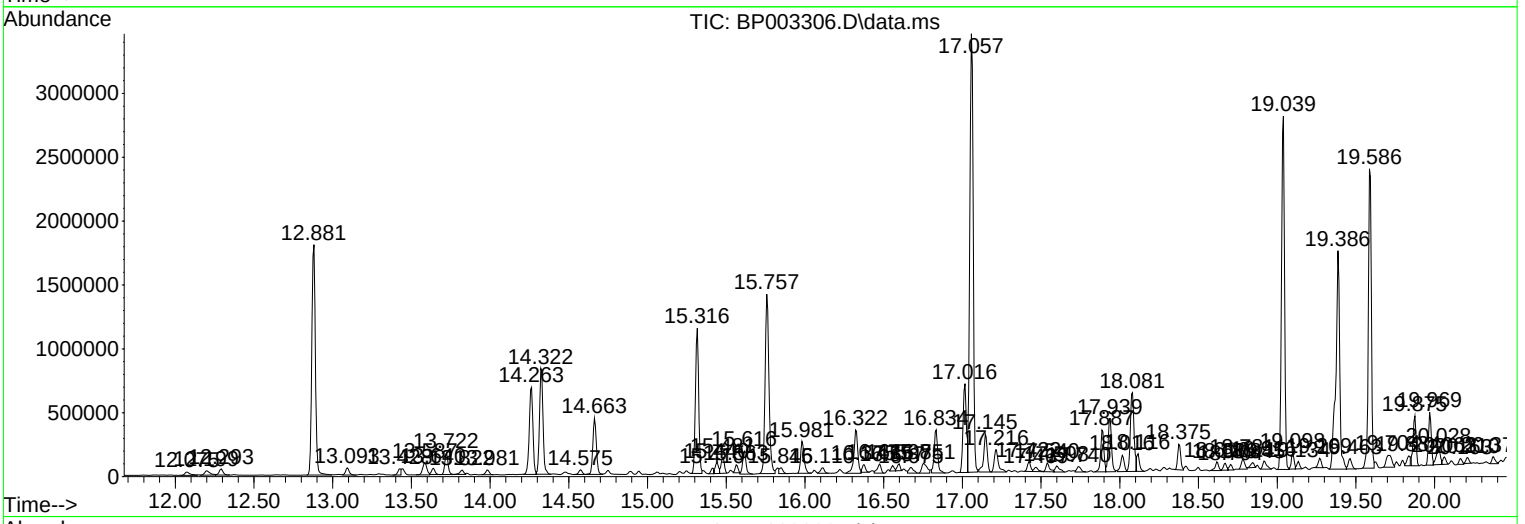
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

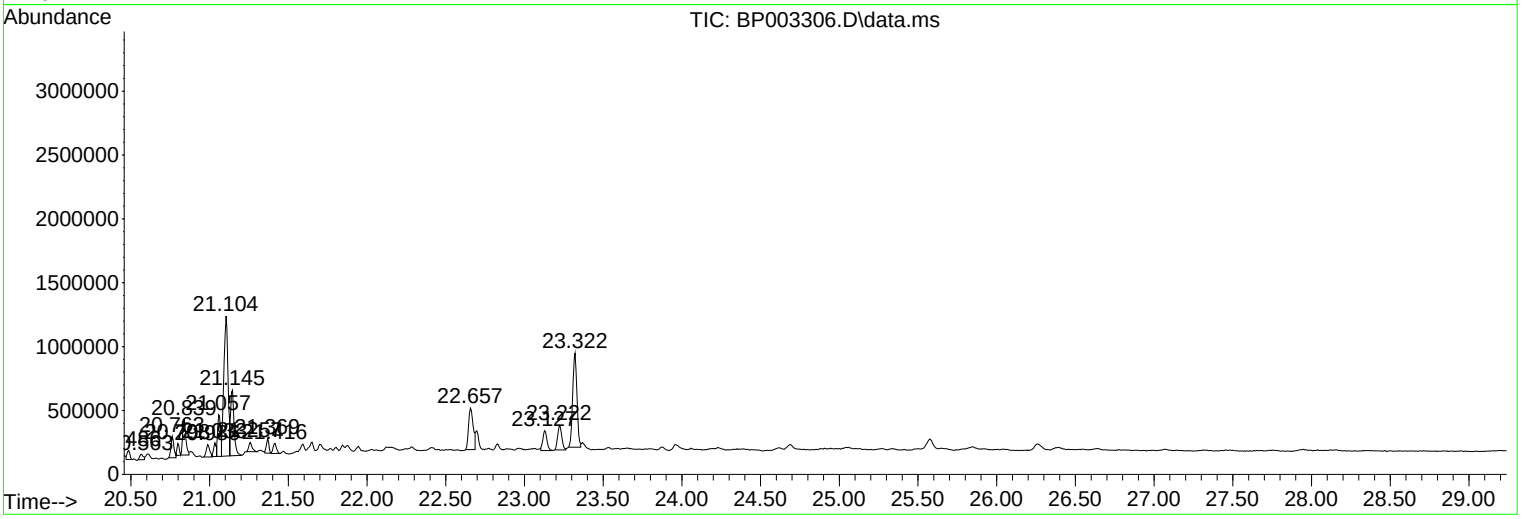
Instrument :
BNA_P
ClientSampleId :
VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

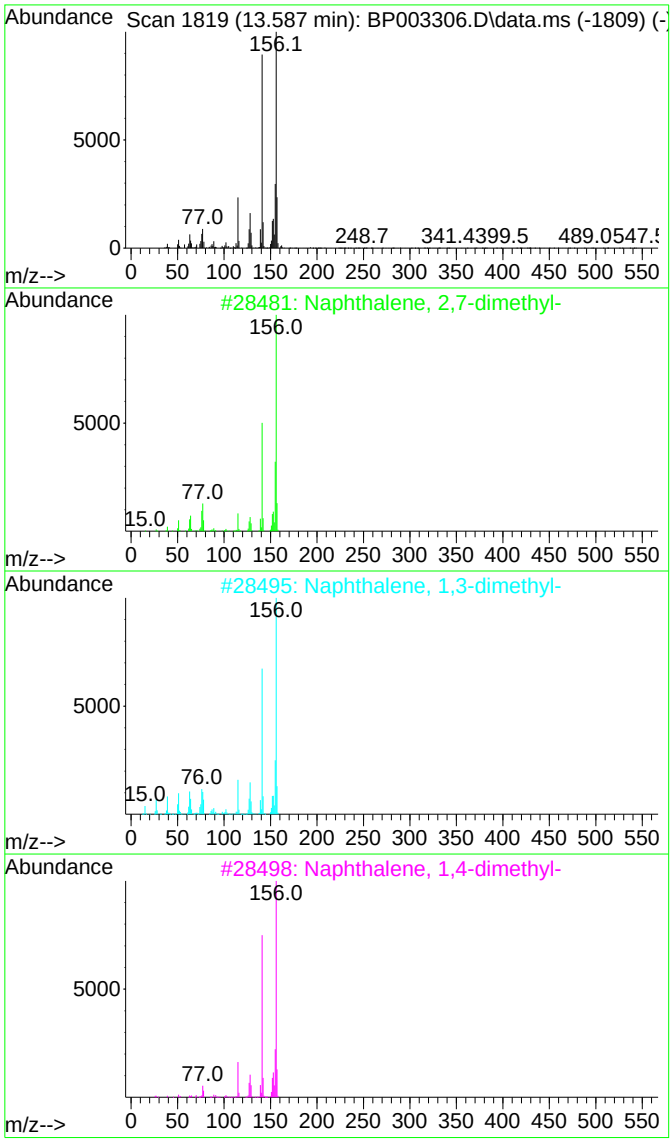
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

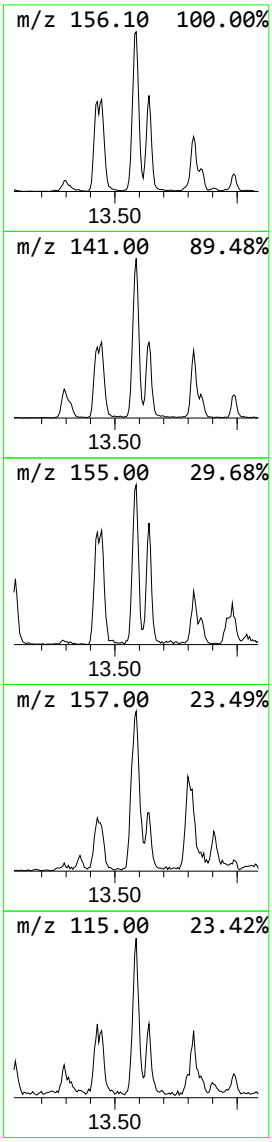
****

Peak Number 1 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.587	3.30 ng	179930	Acenaphthene-d10	14.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

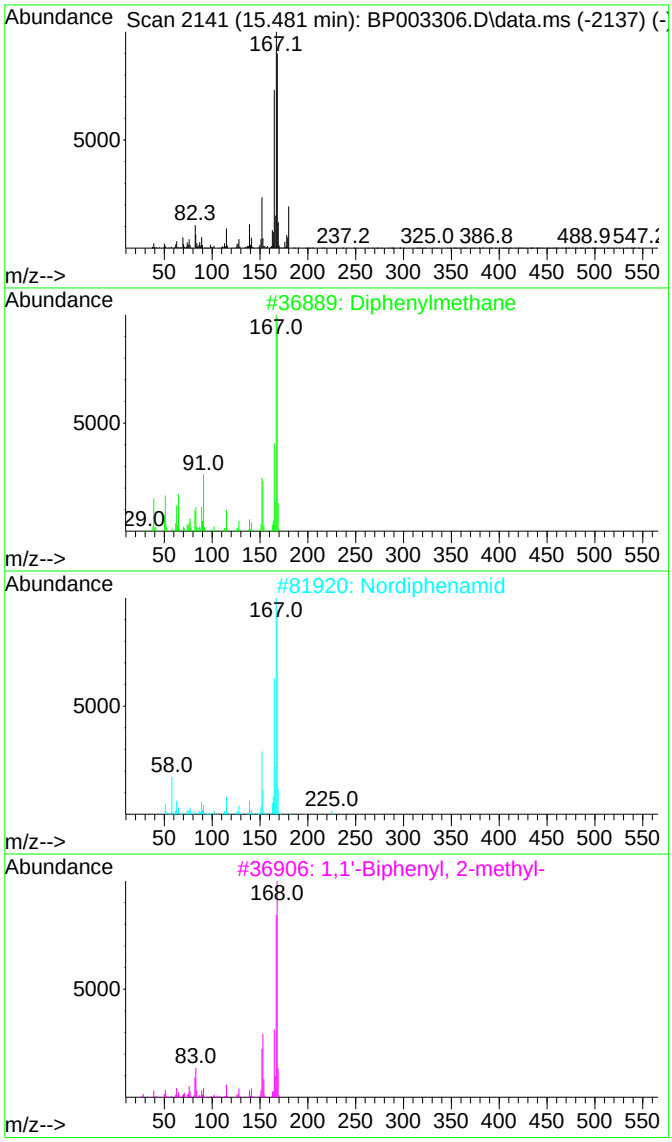
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

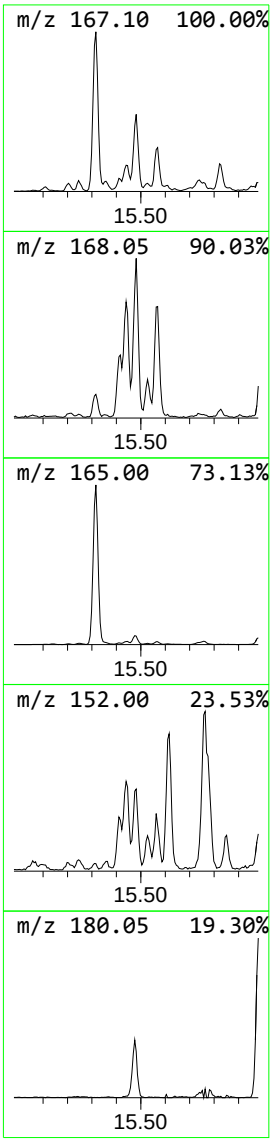
****

Peak Number 2 Diphenylmethane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.481	3.26 ng	177700	Acenaphthene-d10	14.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	64
2	Nordiphenamid	225	C15H15NO	000954-21-2	64
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

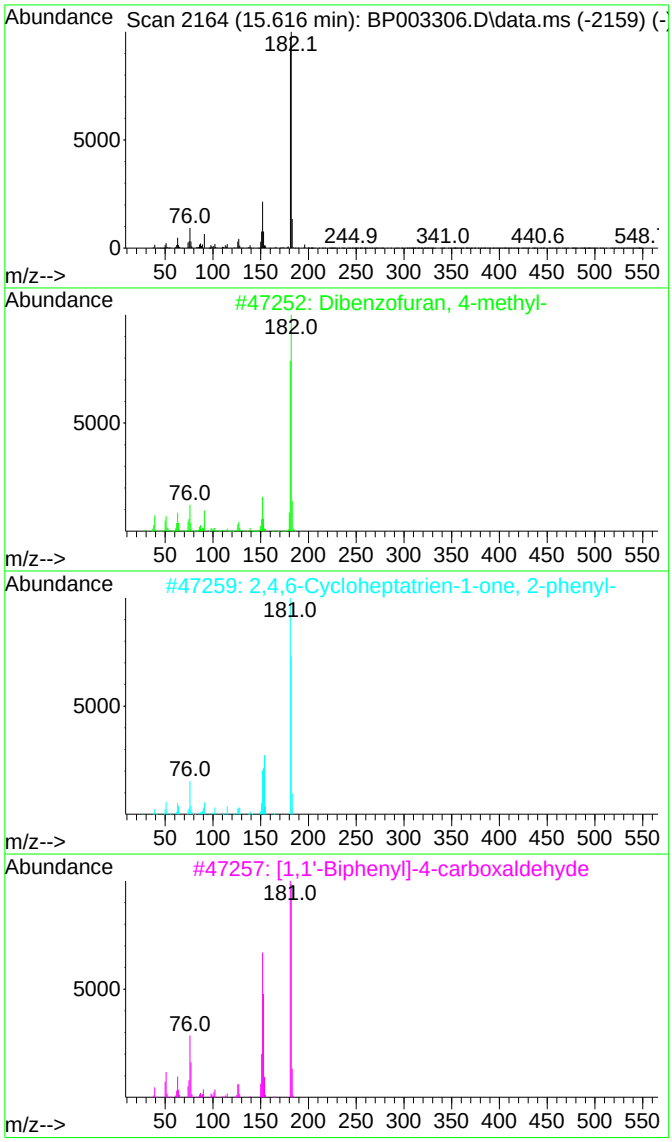
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

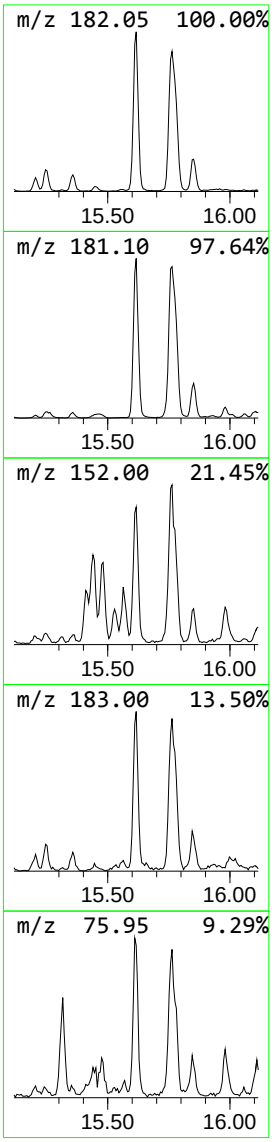
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.616	4.93 ng	268800	Acenaphthene-d10	14.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

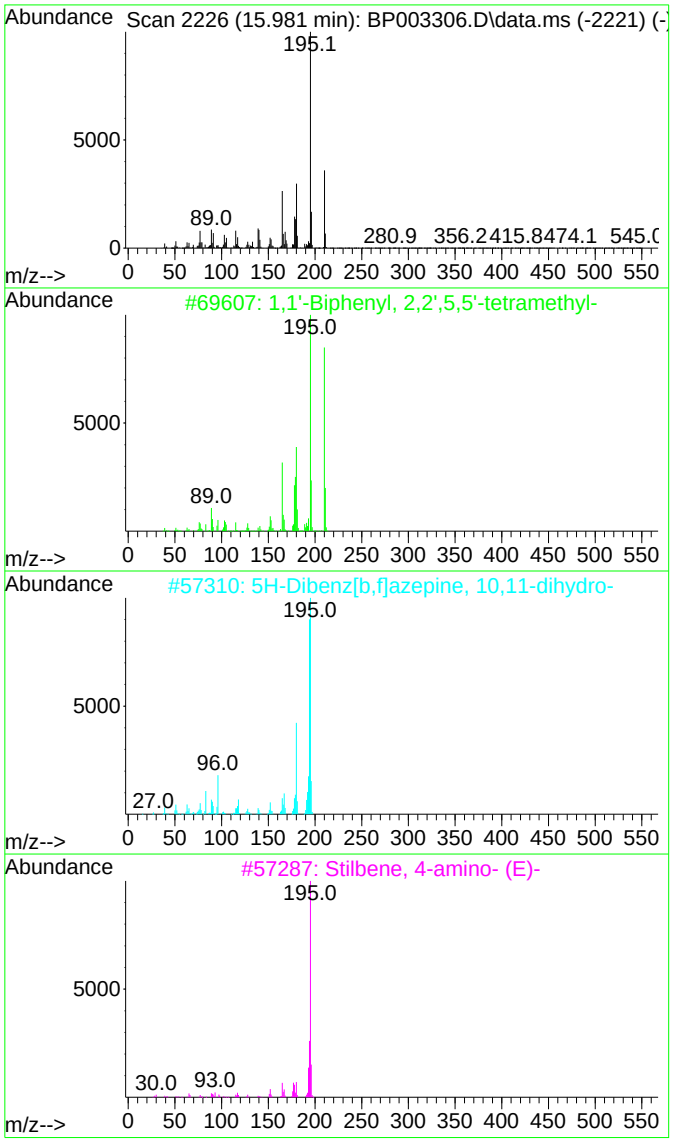
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

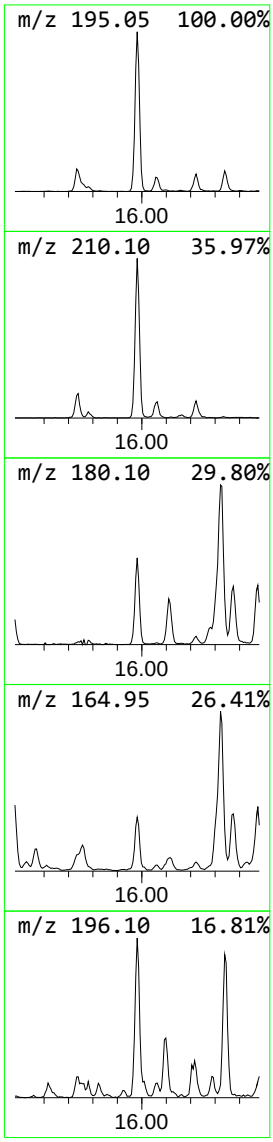
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.981	7.20 ng	382421	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	86
2	5H-Dibenz[b,f]azepine, 10,11-dih...	195	C14H13N	000494-19-9	58
3	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	53
4	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	53
5	Benzylcynide, 2-fluoro-3,4-dimet...	195	C10H10FNO2	007537-08-8	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

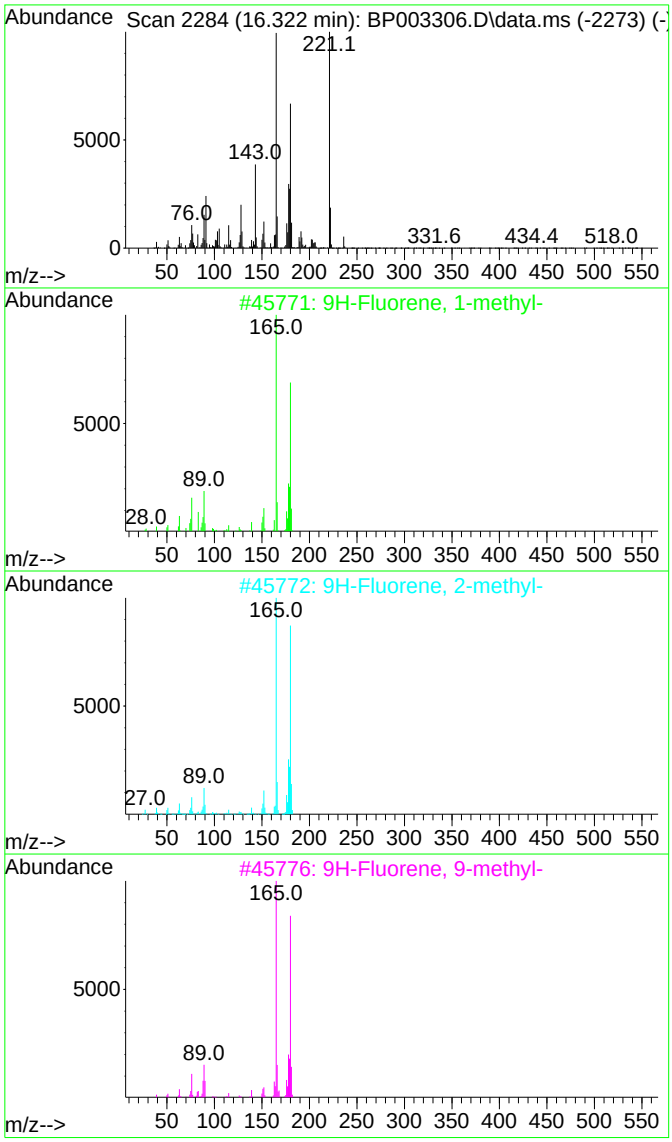
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

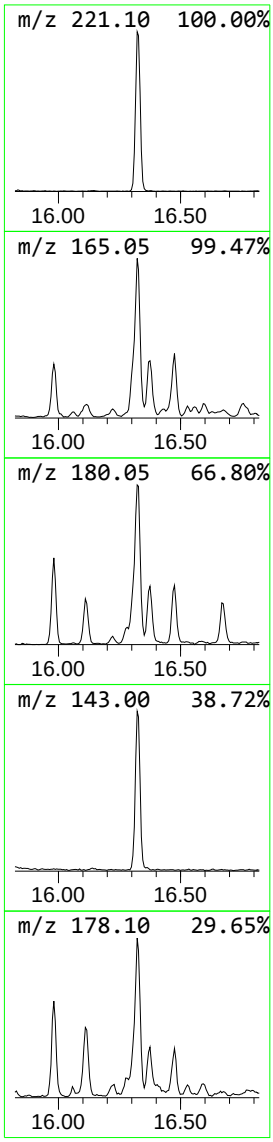
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.322	11.10 ng	589201	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	83
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	83
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	55
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	51
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	49





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Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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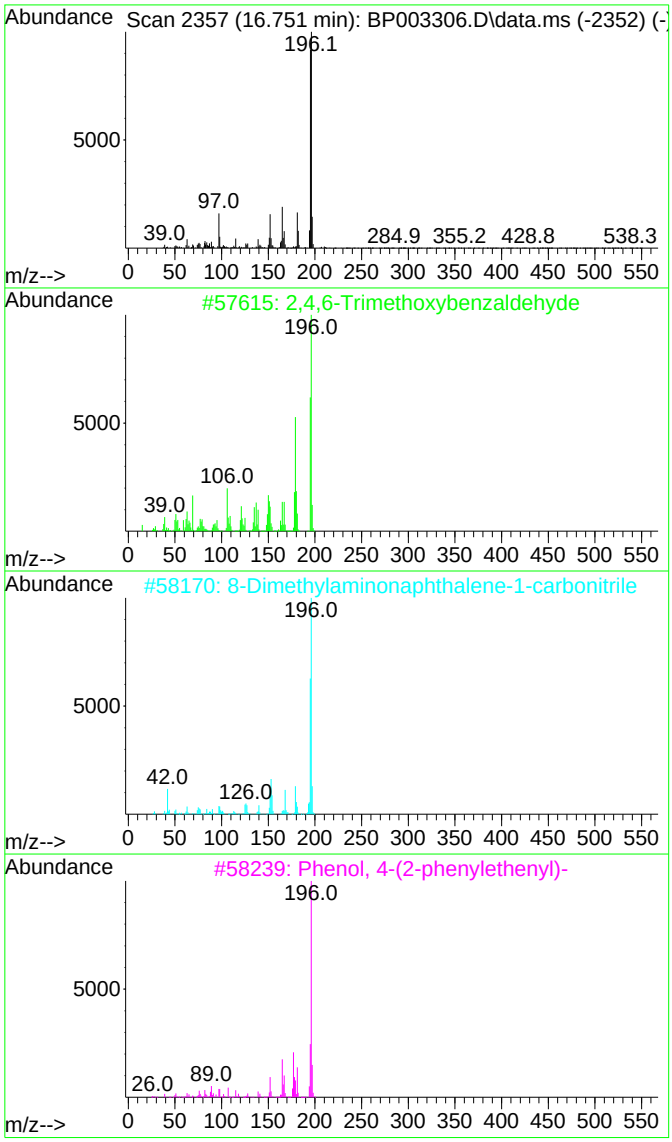
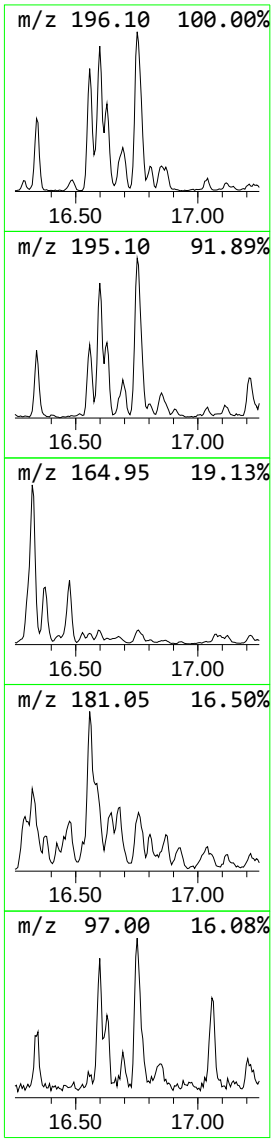
Peak Number 6 2,4,6-Trimethoxybenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.751	3.40 ng	180433	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52





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Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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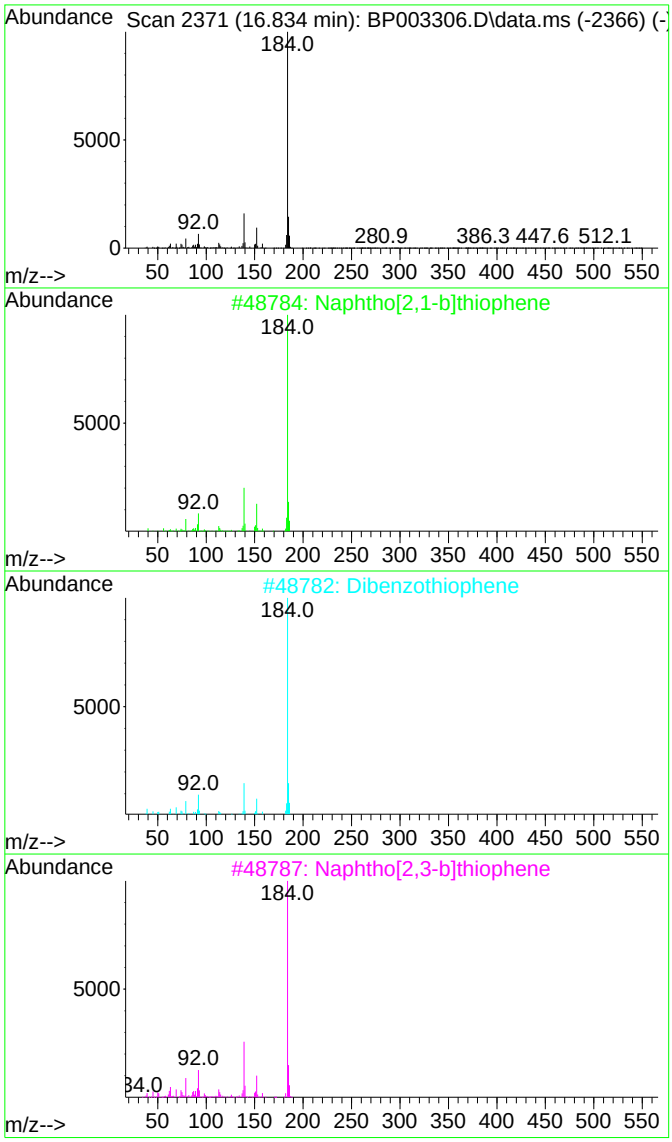
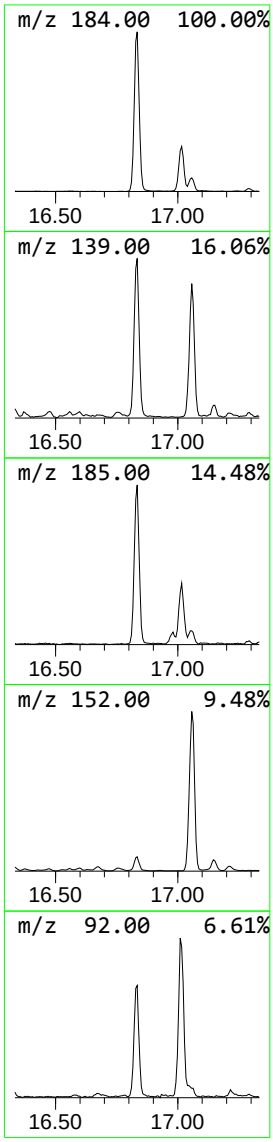
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.834	9.70 ng	514806	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

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

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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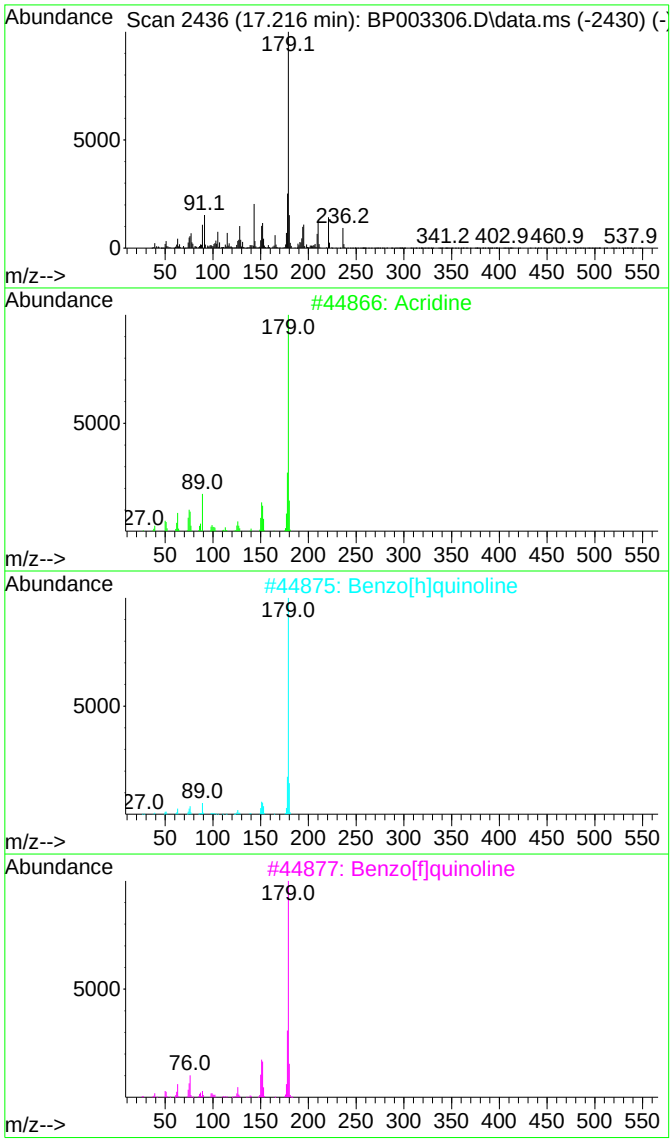
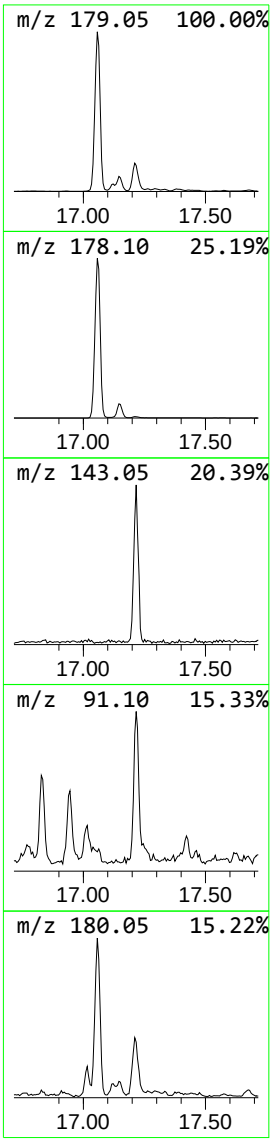
Peak Number 8 Acridine Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.216	5.99 ng	318035	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	90
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	90
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	60
4	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	60
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	60





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Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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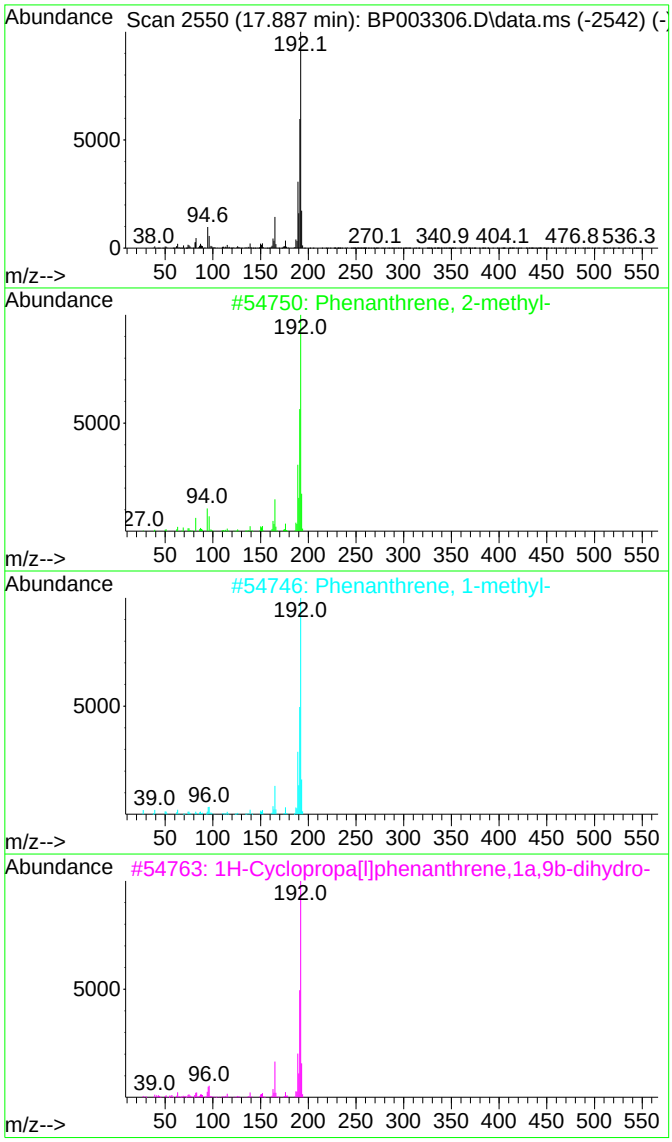
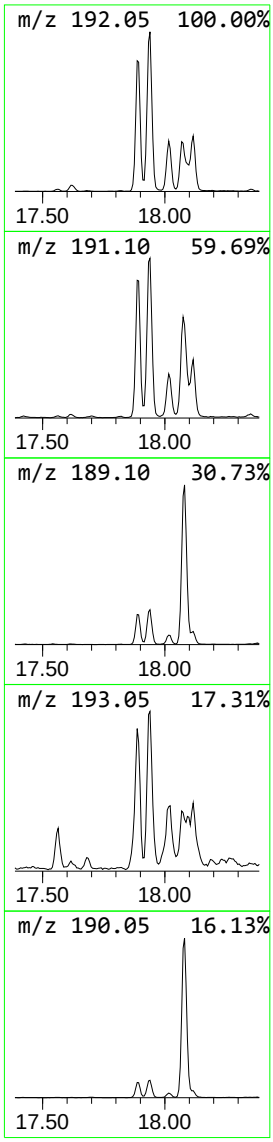
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.887	8.76 ng	465104	Phenanthrene-d10	17.016

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	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

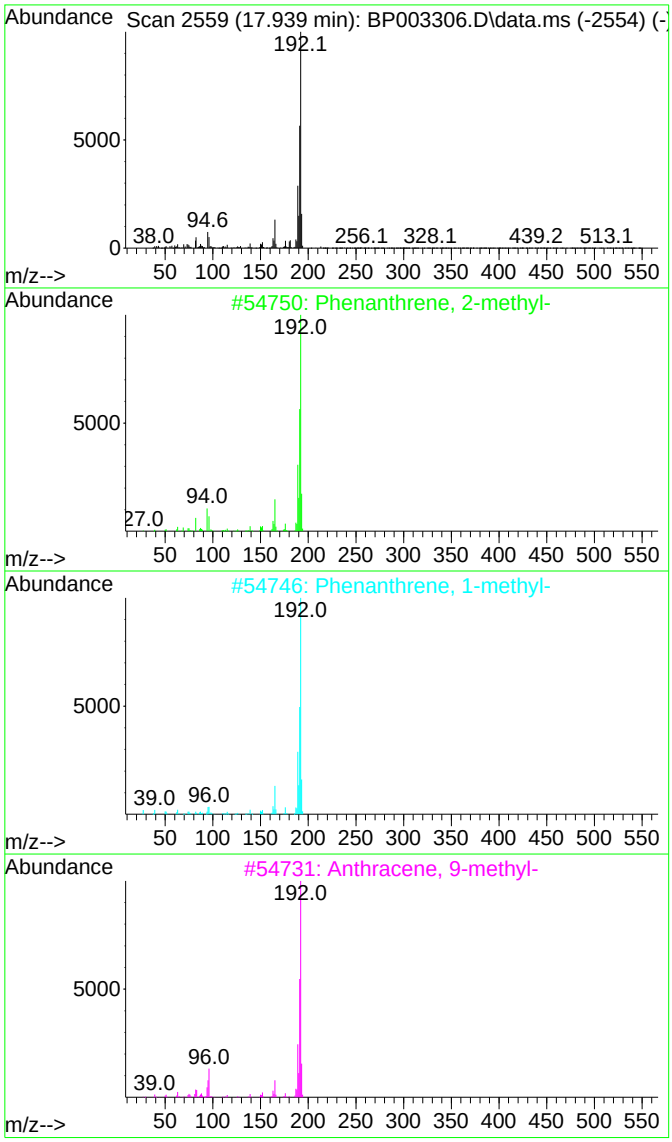
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

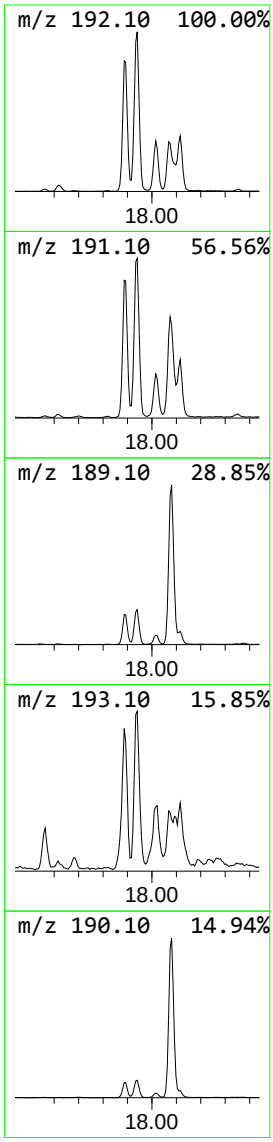
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.939	11.69 ng	620754	Phenanthrene-d10	17.016

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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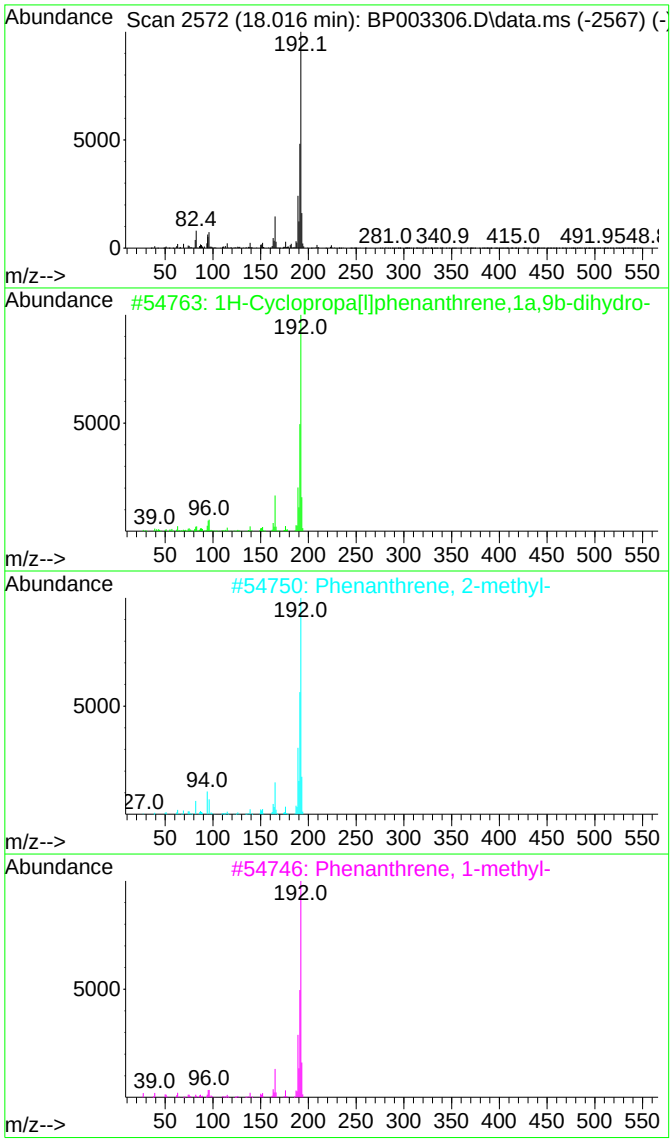
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

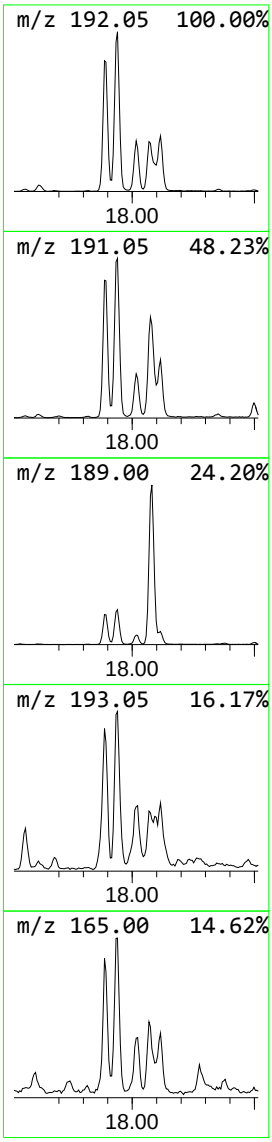
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.016	3.76 ng	199656	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

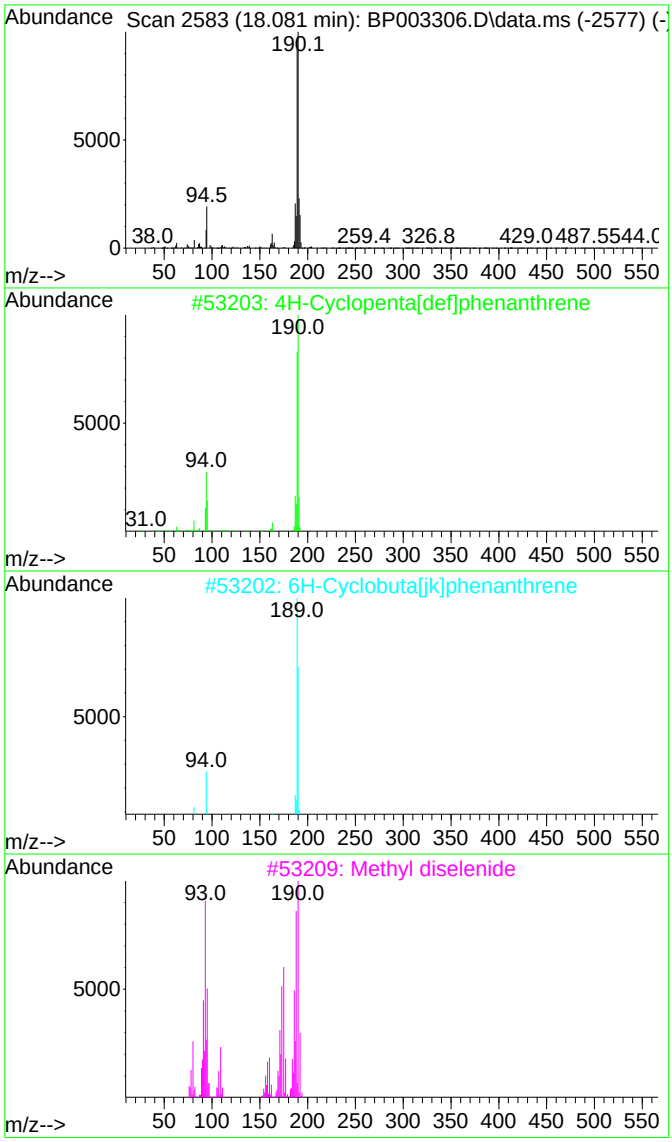
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

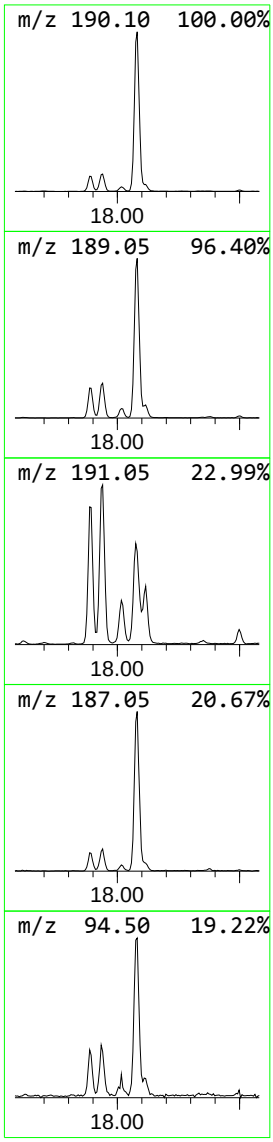
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.081	18.96 ng	1006800	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
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 : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

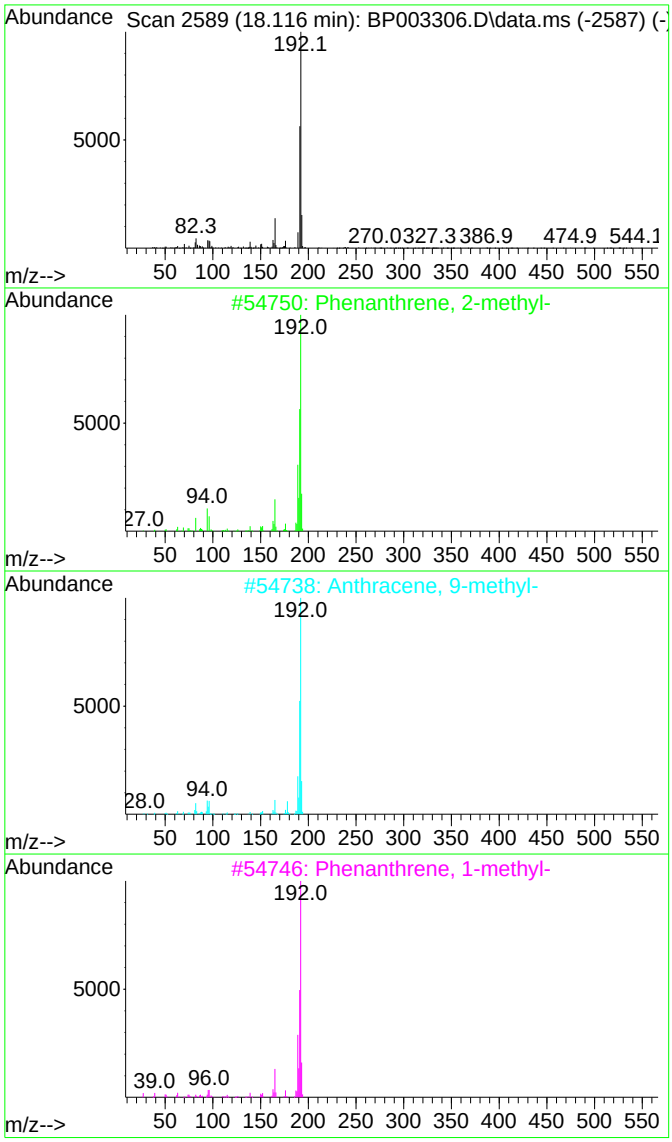
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

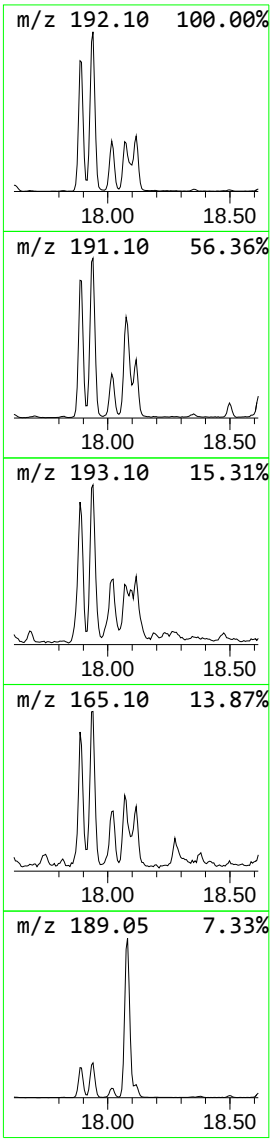
****

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.116	3.03 ng	160762	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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ClientSampleId :
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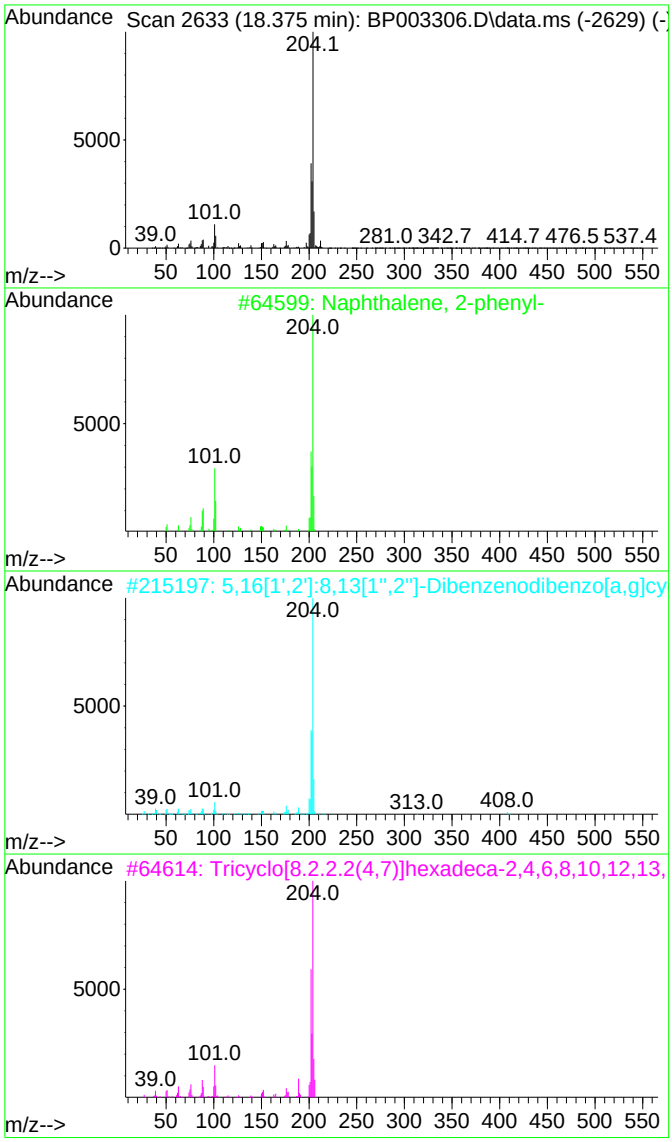
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

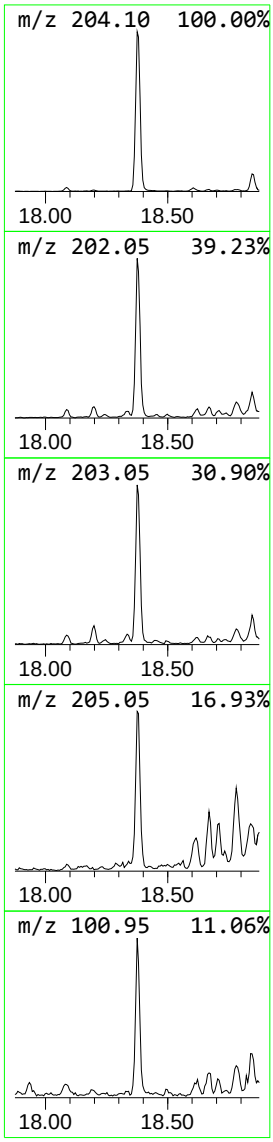
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.375	5.03 ng	266993	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
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	68
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49





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Misc :
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Instrument : BNA_P
ClientSampleId : VNJ-229

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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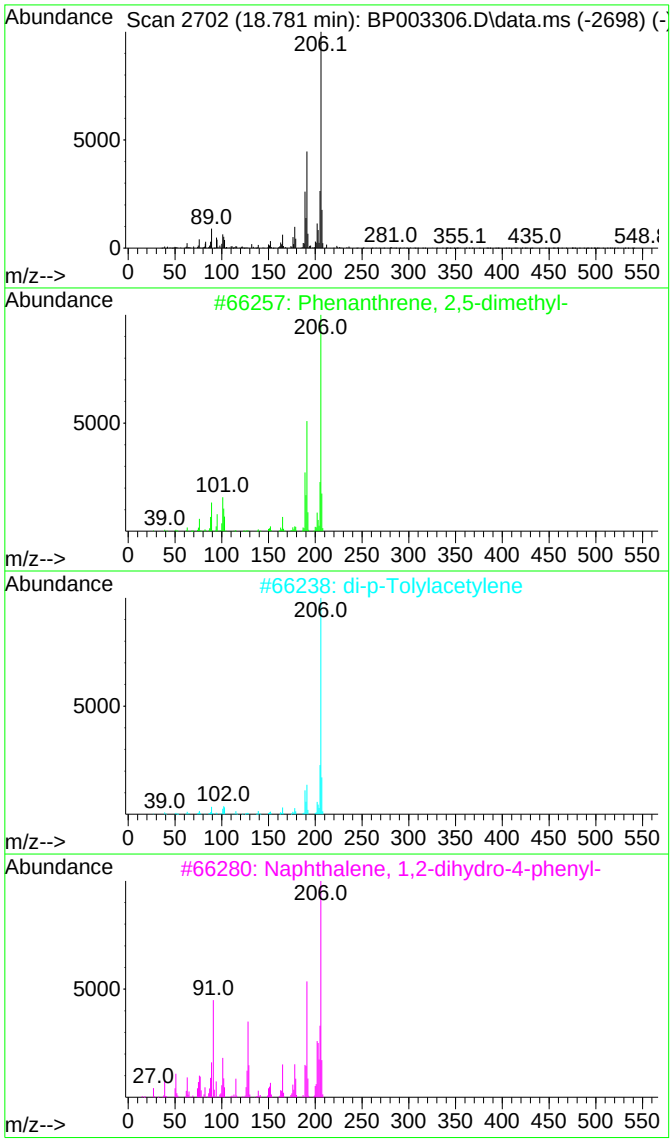
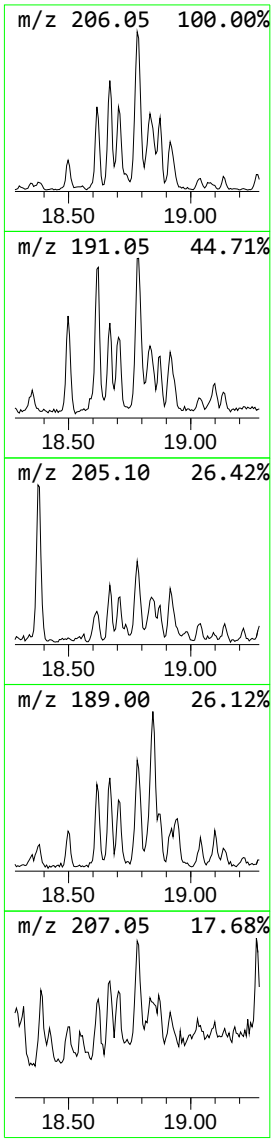
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.781	2.31 ng	122757	Phenanthrene-d10	17.016

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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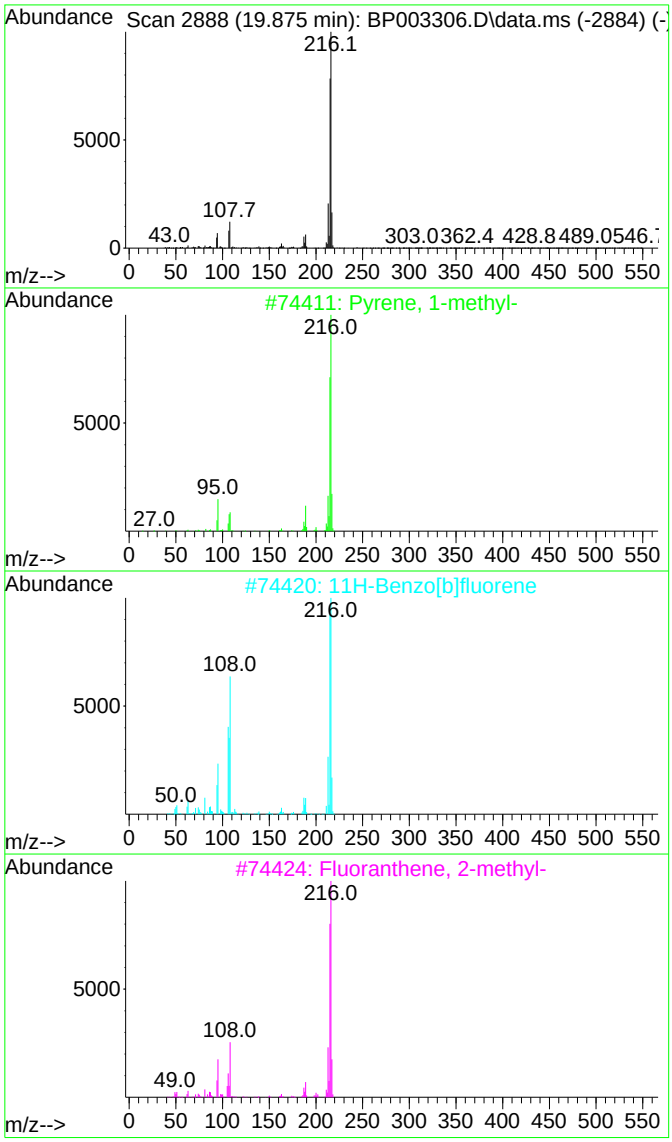
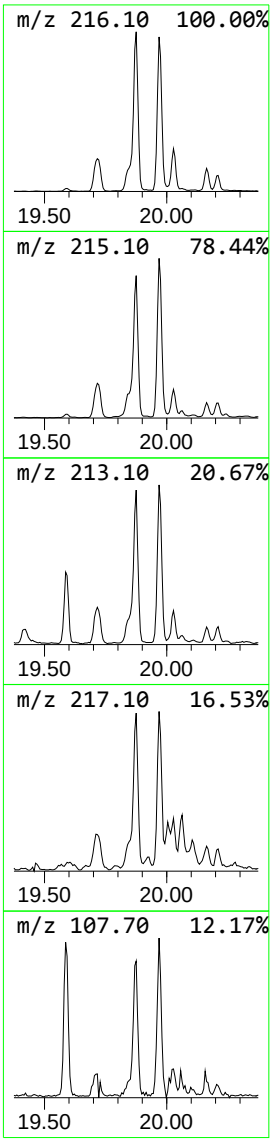
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.875	4.86 ng	496304	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





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Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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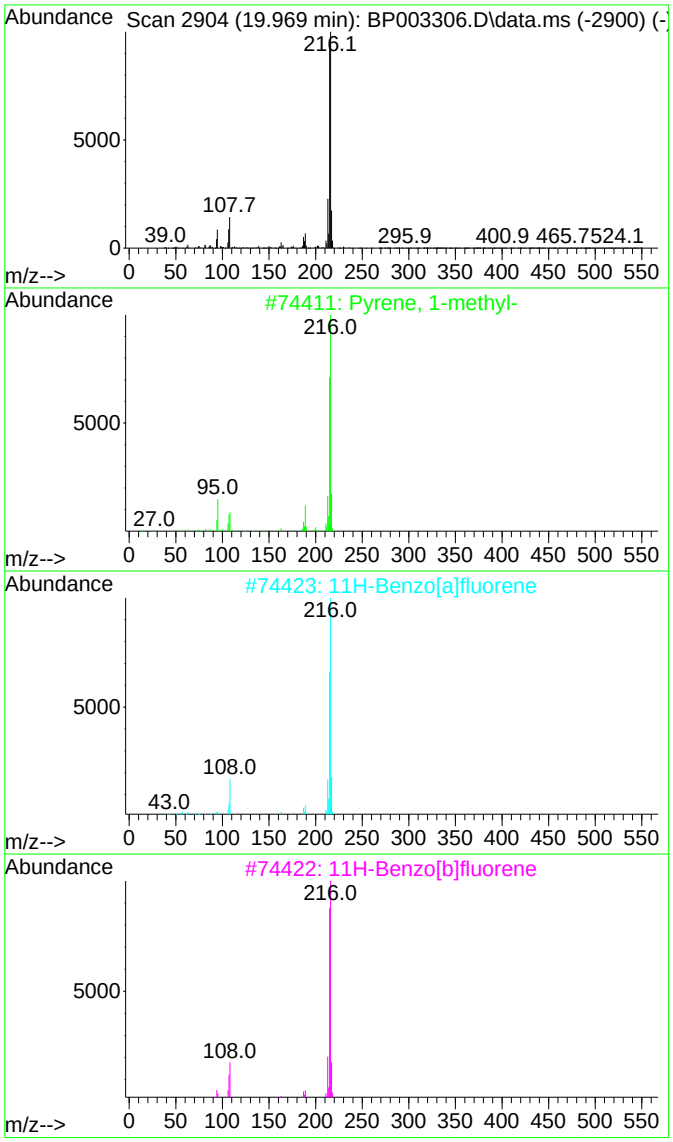
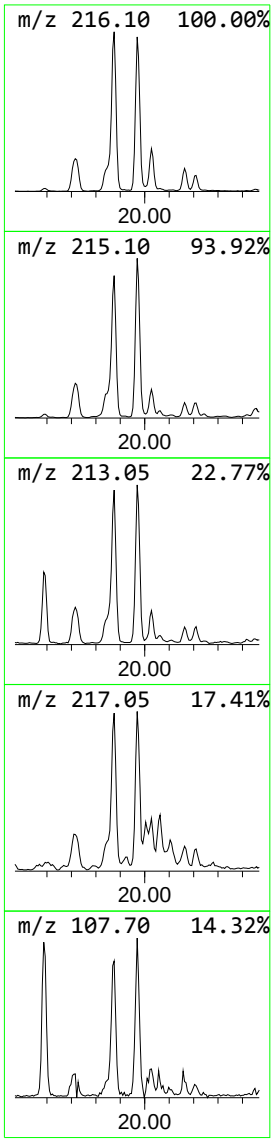
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.969	5.00 ng	510365	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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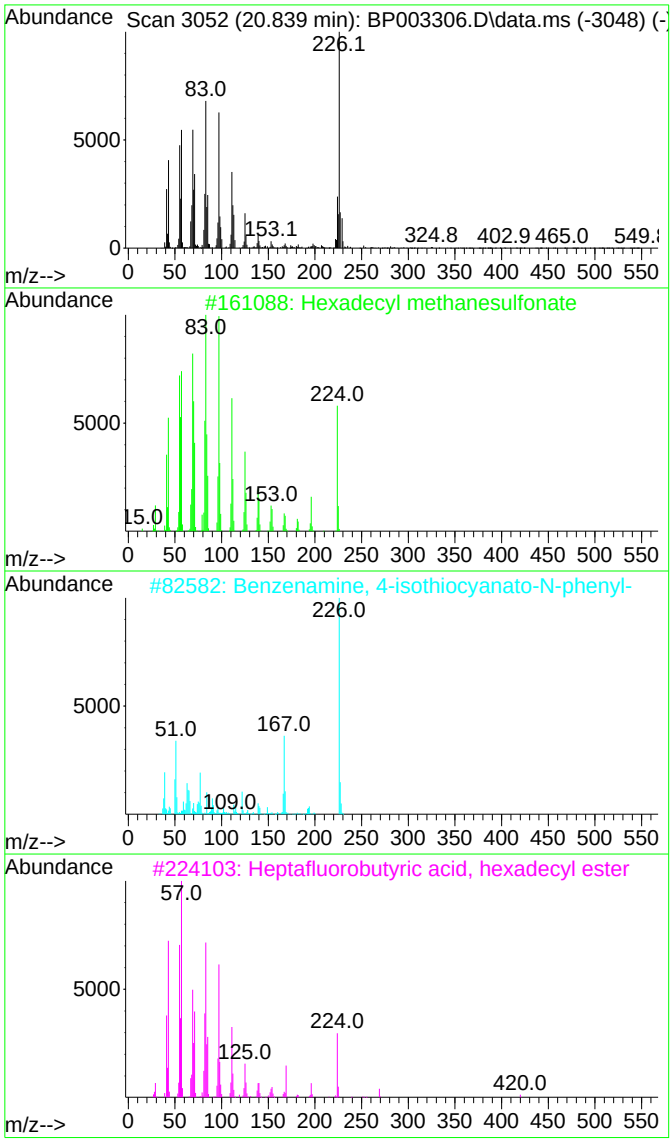
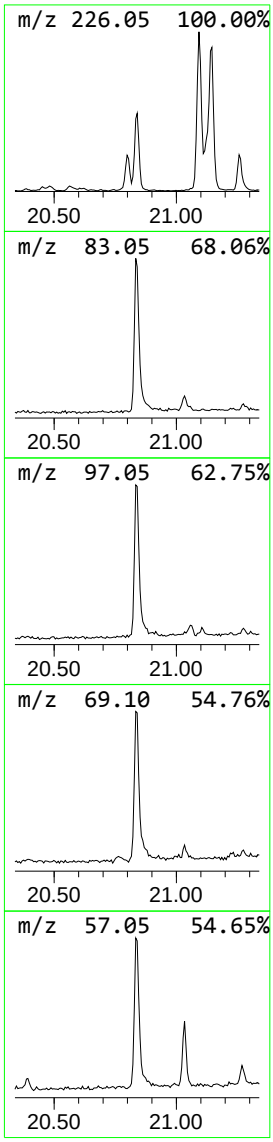
Peak Number 19 unknown20.83 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.839	3.84 ng	391434	Chrysene-d12	21.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecyl methanesulfonate	320	C17H36O3S	020779-14-0	37
2	Benzenamine, 4-isothiocyanato-N-...	226	C13H10N2S	1000350-44-4	27
3	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	25
4	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	25
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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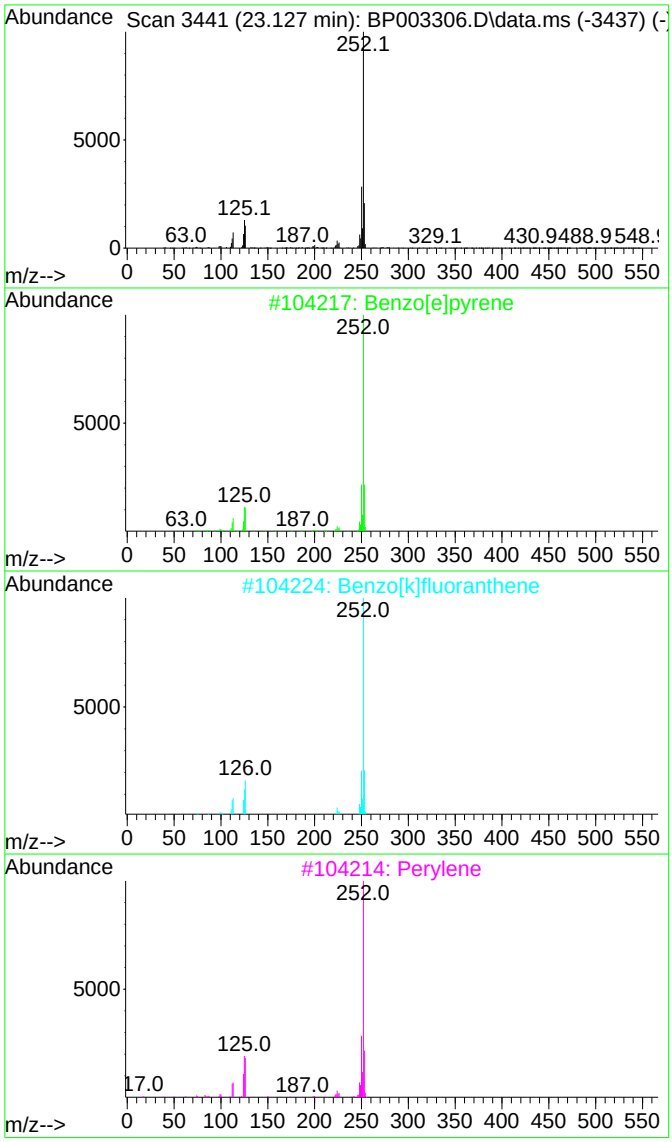
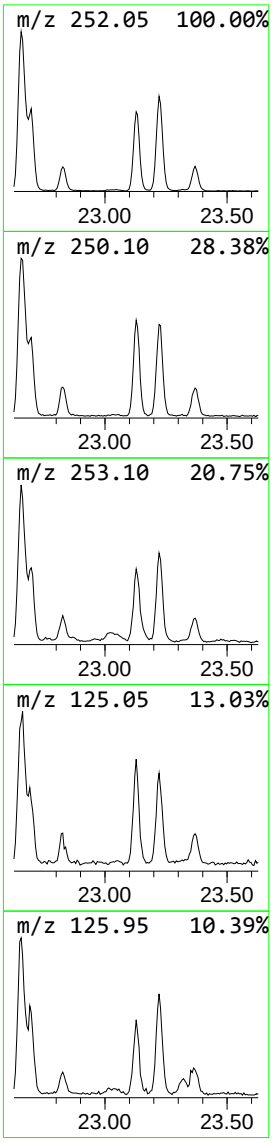
Peak Number 20 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.128	4.13 ng	282788	Perylene-d12	23.322

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	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091620\
Data File : BP003306.D
Acq On : 16 Sep 2020 17:35
Operator : CG/JU
Sample : L4018-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : VNJ-229

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,...	13.587	3.3	ng	179930	3	14.263	1090510	20.0
Diphenylmethane	15.481	3.3	ng	177700	3	14.263	1090510	20.0
Dibenzofuran, 4...	15.616	4.9	ng	268800	3	14.263	1090510	20.0
1,1'-Biphenyl, ...	15.981	7.2	ng	382421	4	17.016	1061820	20.0
9H-Fluorene, 1-...	16.322	11.1	ng	589201	4	17.016	1061820	20.0
2,4,6-Trimethox...	16.751	3.4	ng	180433	4	17.016	1061820	20.0
Naphtho[2,1-b]t...	16.834	9.7	ng	514806	4	17.016	1061820	20.0
Acridine	17.216	6.0	ng	318035	4	17.016	1061820	20.0
Phenanthrene, 2...	17.887	8.8	ng	465104	4	17.016	1061820	20.0
Phenanthrene, 1...	17.939	11.7	ng	620754	4	17.016	1061820	20.0
1H-Cyclopropa[l...	18.016	3.8	ng	199656	4	17.016	1061820	20.0
4H-Cyclopenta[d...	18.081	19.0	ng	1006800	4	17.016	1061820	20.0
Anthracene, 9-m...	18.116	3.0	ng	160762	4	17.016	1061820	20.0
Naphthalene, 2-...	18.375	5.0	ng	266993	4	17.016	1061820	20.0
Phenanthrene, 2...	18.781	2.3	ng	122757	4	17.016	1061820	20.0
11H-Benzo[b]flu...	19.875	4.9	ng	496304	5	21.110	2040920	20.0
Pyrene, 1-methyl-	19.969	5.0	ng	510365	5	21.110	2040920	20.0
unknown20.83	20.839	3.8	ng	391434	5	21.110	2040920	20.0
Benzo[e]pyrene	23.128	4.1	ng	282788	6	23.322	1368440	20.0