LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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: BP003432.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.158	379	386	415	rBV	1008795	1737599	23.53%	3.164%
2	6.746	642	656	668	rBV	1041441	1815847	24.59%	3.306%
3	6.846	668	673	684	rVB	50815	94051	1.27%	0.171%
4	7.540	784	791	801	rBV	354214	567445	7.68%	1.033%
5	8.693	979	987	999	rBV	712990	1221070	16.53%	2.223%
6	10.316	1253	1263	1269	rBV	500322	872495	11.81%	1.589%
7	12.745	1671	1676	1680	rBV	57331	78607	1.06%	0.143%
8	12.810	1680	1687	1702	rVB	2139735	3167253	42.88%	5.767%
9	13.040	1719	1726	1736	rVB2	109395	184700	2.50%	0.336%
10	13.616	1820	1824	1827	rBV	118534	159835	2.16%	0.291%
11	13.657	1827	1831	1835	rVV	160208	231666	3.14%	0.422%
12	13.704	1835	1839	1842	rVV2	97341	143832	1.95%	0.262%
13	13.745	1842	1846	1855	rVB4	52092	98625	1.34%	0.180%
14	13.916	1870	1875	1884	rBV	157217	288453	3.91%	0.525%
15	14.028	1890	1894	1899	rVB	73840	93972	1.27%	0.171%
16	14.122	1903	1910	1914	rBV	189325	255978	3.47%	0.466%
17	14.198	1914	1923	1929	rBV	785703	1239901	16.79%	2.258%
18	14.257	1929	1933	1937	rBV	72598	96807	1.31%	0.176%
19	14.604	1987	1992	2000	rVB3	53949	119482	1.62%	0.218%
20	14.745	2012	2016	2022	rVB	62615	84192	1.14%	0.153%
21	14.992	2053	2058	2063	rVV3	54552	89281	1.21%	0.163%
22	15.081	2068	2073	2079	rVV	233441	292670	3.96%	0.533%
23	15.251	2098	2102	2107	rBV2	101320	158359	2.14%	0.288%
24	15.487	2135	2142	2148	rBV	104697	199534	2.70%	0.363%
25	15.704	2173	2179	2188	rBV	1515335	2376068	32.17%	4.326%
26	15.945	2215	2220	2222	rBV	293589	369506	5.00%	0.673%
27	15.969	2222	2224	2233	rVB	194248	261608	3.54%	0.476%
28	16.622	2331	2335	2342	rVB2	113591	170218	2.30%	0.310%
29	16.698	2344	2348	2352	rVV3	70223	139951	1.89%	0.255%
30	16.739	2352	2355	2359	rVV	216531	296283	4.01%	0.539%
31	16.781	2359	2362	2372	rVB2	121912	273947	3.71%	0.499%
32	16.963	2387	2393	2396	rBV	975426	1452374	19.66%	2.645%
33	17.004	2396	2400	2406	rVB	1944519	2741931	37.12%	4.993%
34	17.098	2411	2416	2422	rVB	608226	885646	11.99%	1.613%
35	17.169	2422	2428	2432	rBV2	70050	141925	1.92%	0.258%
36	17.386	2461	2465	2477	rVB2	105317	238075	3.22%	0.433%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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	17.486	2477	2482	2486	rVV	254715	321156	4.35%	0.585%
38	17.551	2490	2493	2503	rVB4	56672	132529	1.79%	0.241%
39	17.845	2538	2543	2547	rBV	413622	588195	7.96%	1.071%
40	17.892	2547	2551	2559	rVB	511147	775556	10.50%	1.412%
41	17.975	2560	2565	2569	rBV	219039	329397	4.46%	0.600%
42	18.033	2569	2575	2579	rVV2	654664	1118509	15.14%	2.037%
43	18.069	2579	2581	2591	rVB	325074	473268	6.41%	0.862%
44	18.169	2593	2598	2601	rBV	137442	195620	2.65%	0.356%
45	18.333	2622	2626	2631	rVV	283049	403212	5.46%	0.734%
46	18.404	2634	2638	2643	rVV2	140842	241982	3.28%	0.441%
47	18.580	2664	2668	2672	rVB	106631	148798	2.01%	0.271%
48	18.633	2673	2677	2681	rBV	111124	146090	1.98%	0.266%
49	18.751	2693	2697	2701	rBV	292690	484299	6.56%	0.882%
50	18.910	2718	2724	2734	rVB3	245481	605309	8.20%	1.102%
51	19.016	2735	2742	2749	rBV	3406703	6380609	86.39%	11.618%
52	19.116	2755	2759	2763	rVB3	80203	122459	1.66%	0.223%
53	19.251	2777	2782	2787	rBV2	186305	347117	4.70%	0.632%
54	19.375	2792	2803	2811	rVV	3269457	7385720	100.00%	13.448%
55	19.451	2812	2816	2823	rVB3	174489	358148	4.85%	0.652%
56	19.575	2829	2837	2843	rBV	2665918	4872372	65.97%	8.872%
57	19.704	2853	2859	2868	rBV3	256669	655753	8.88%	1.194%
58	19.869	2877	2887	2896	rVB2	429600	1289308	17.46%	2.348%
59	19.969	2899	2904	2908	rBV	256953	527421	7.14%	0.960%
60	20.027	2910	2914	2923	rVB4	302887	766587	10.38%	1.396%
61	20.169	2934	2938	2941	rBV	147884	283639	3.84%	0.516%
62	21.163	3096	3107	3108	rBV2	1378018	3327067	45.05%	6.058%

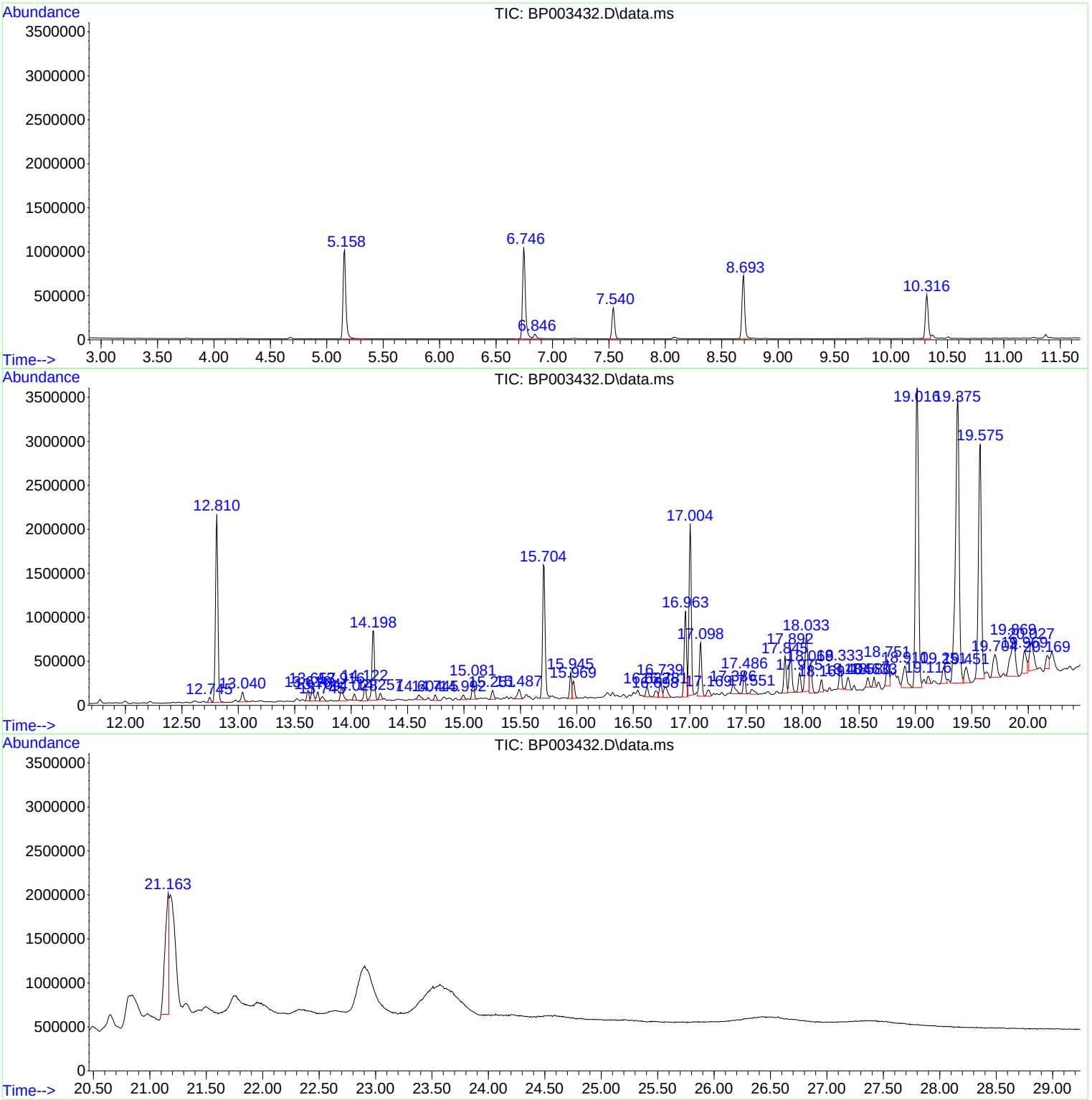
Sum of corrected areas: 54919306

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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

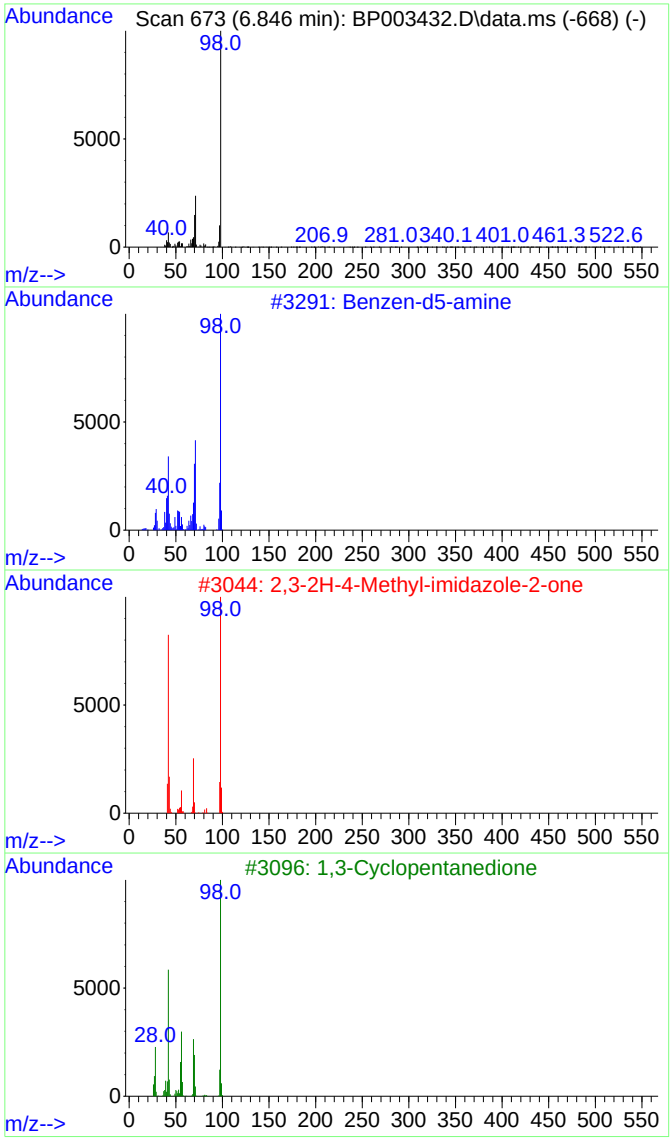
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

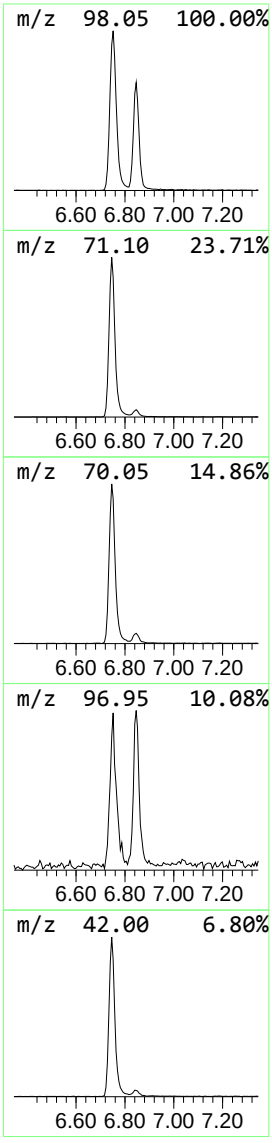
****

Peak Number 1 Benzen-d5-amine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.846	3.31 ng	94051	1,4-Dichlorobenzene-d4	7.540

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzen-d5-amine	98	C6H2D5N	004165-61-1	56
2	2,3-2H-4-Methyl-imidazole-2-one	98	C4H6N2O	039799-77-4	53
3	1,3-Cyclopentanedione	98	C5H6O2	003859-41-4	45
4	1H-1,2,4-Triazol-5-amine, 1-methyl-	98	C3H6N4	015795-39-8	40
5	Cyclohexanone, 2-butyl-	154	C10H18O	001126-18-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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

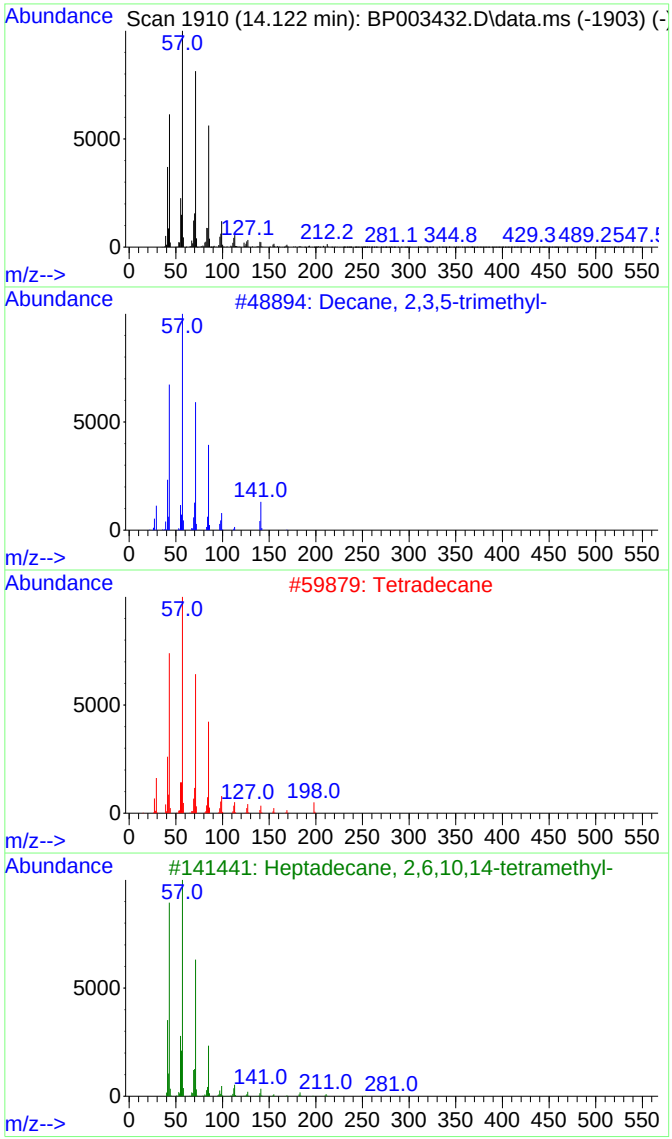
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

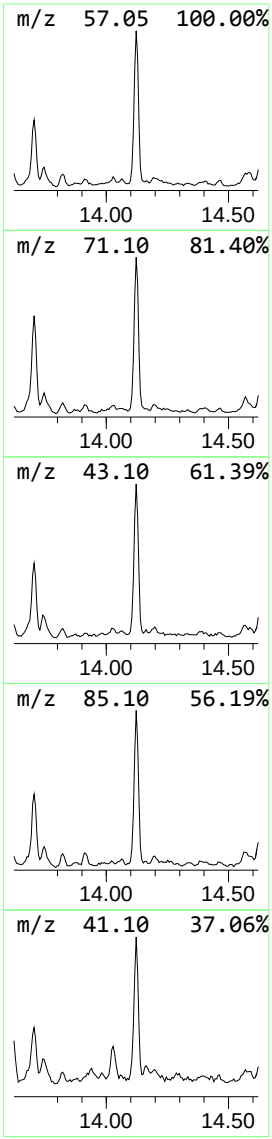
****

Peak Number 2 Decane, 2,3,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.122	4.13 ng	255978	Acenaphthene-d10	14.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	81
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	80
5	Hexatriacontane	507	C36H74	000630-06-8	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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

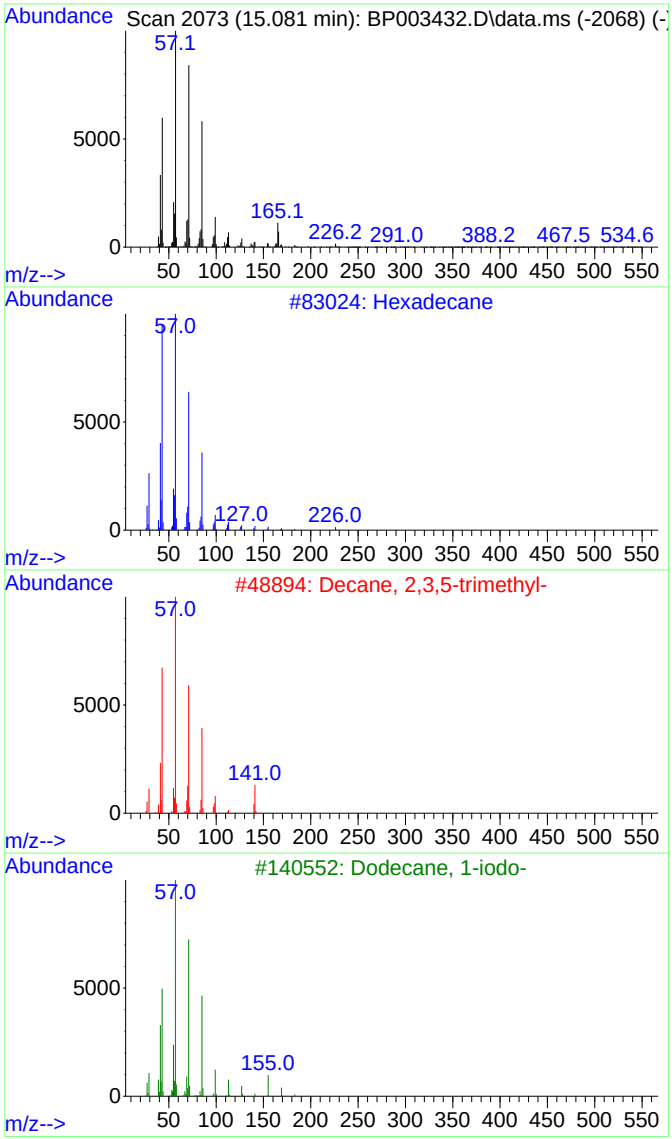
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

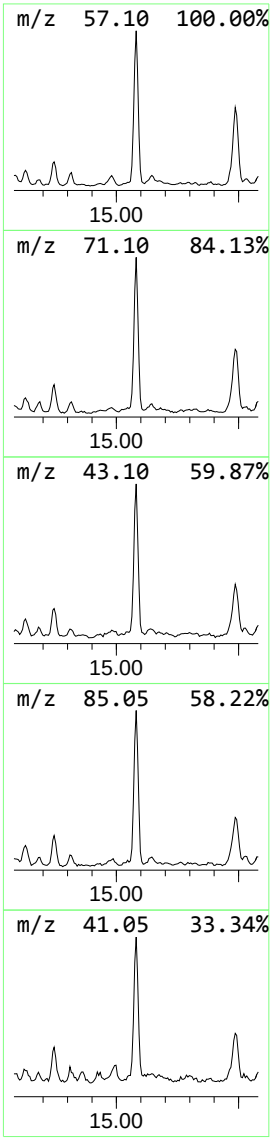
****

Peak Number 3 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.081	4.72 ng	292670	Acenaphthene-d10	14.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	89
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	72
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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

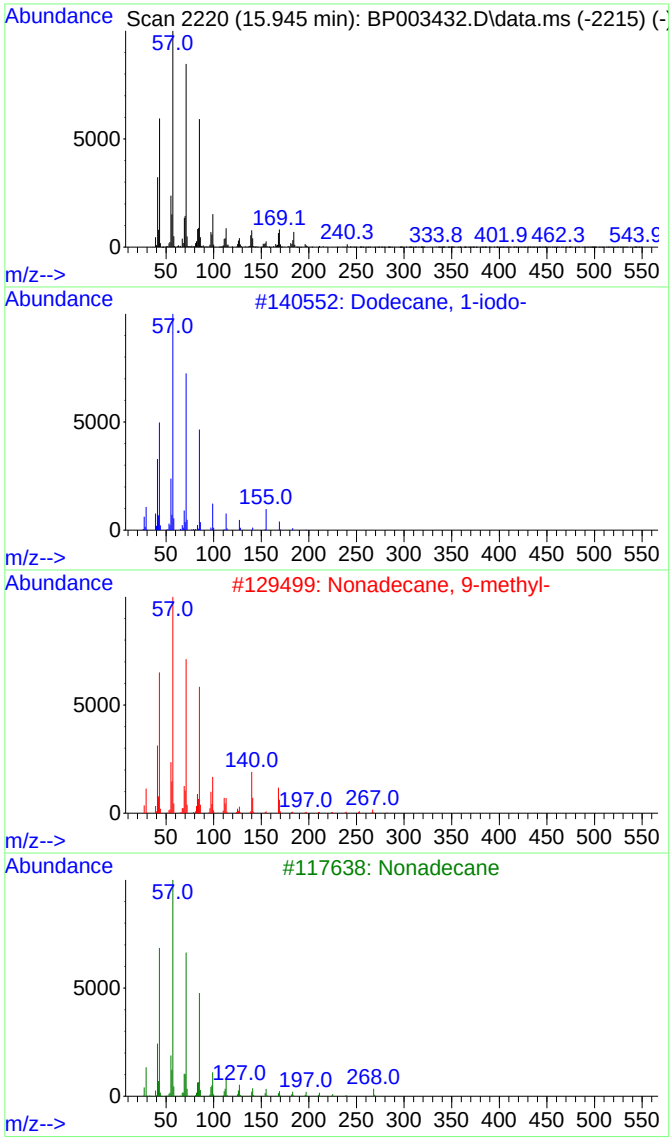
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

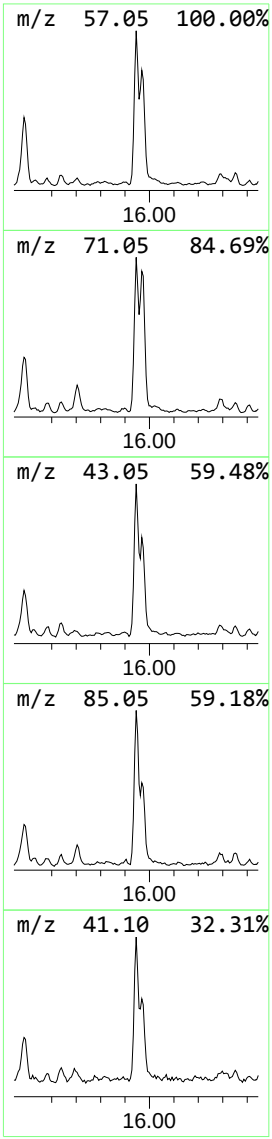
****

Peak Number 4 Dodecane, 1-iodo- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	5.09 ng	369506	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	87
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	86
3	Nonadecane	268	C19H40	000629-92-5	83
4	Hexacosane	366	C26H54	000630-01-3	83
5	Dodecane	170	C12H26	000112-40-3	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

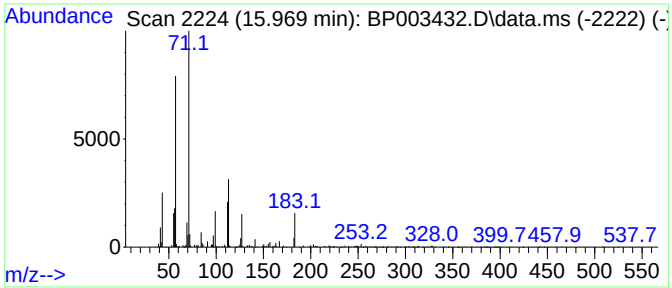
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

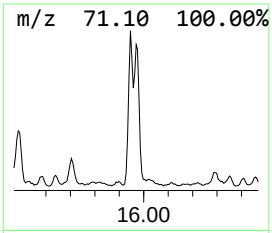
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

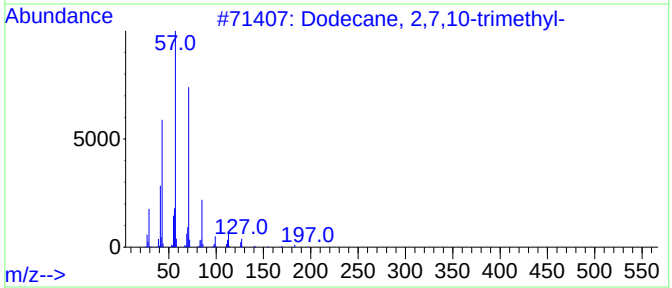
****
Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 18

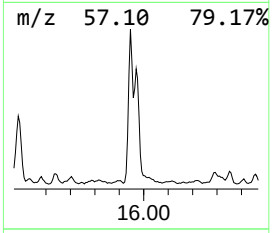
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.969	3.60 ng	261608	Phenanthrene-d10	16.963

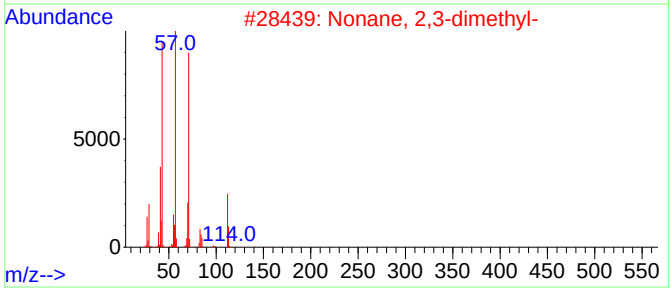
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	56
2	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	53
3	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	53
4	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	53
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	52

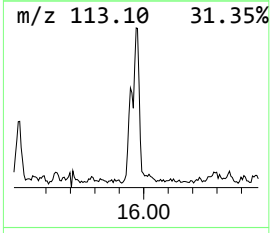


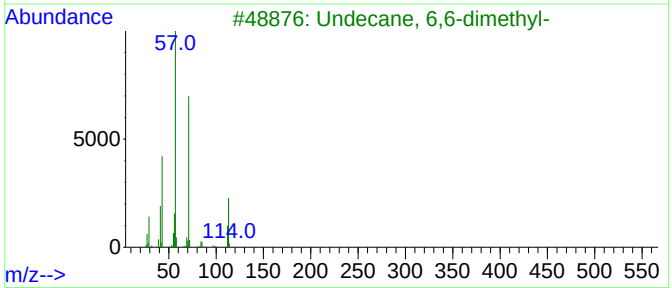


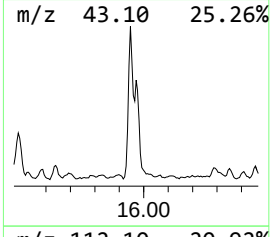


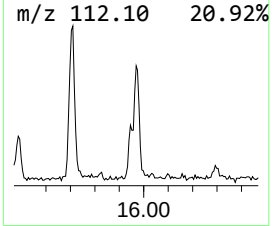












Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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

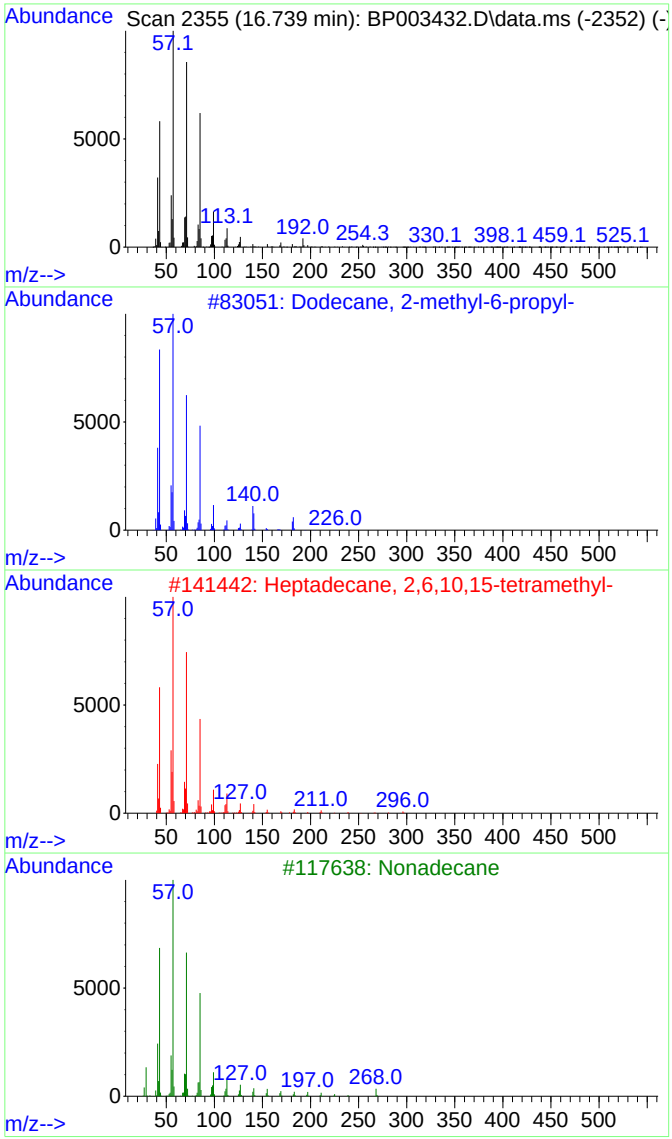
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

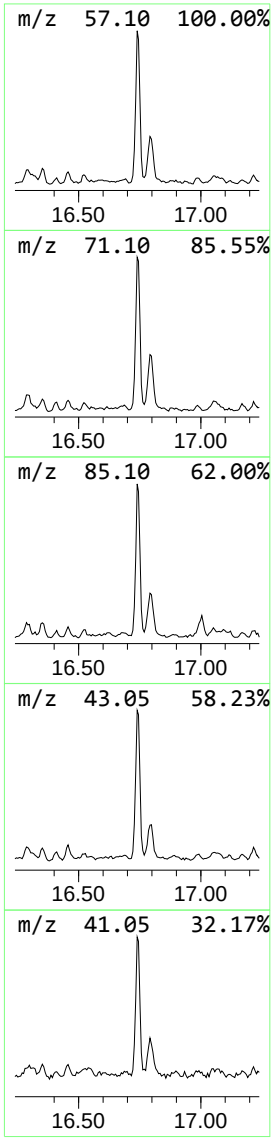
****

Peak Number 6 Dodecane, 2-methyl-6-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.739	4.08 ng	296283	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
3	Nonadecane	268	C19H40	000629-92-5	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	74





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Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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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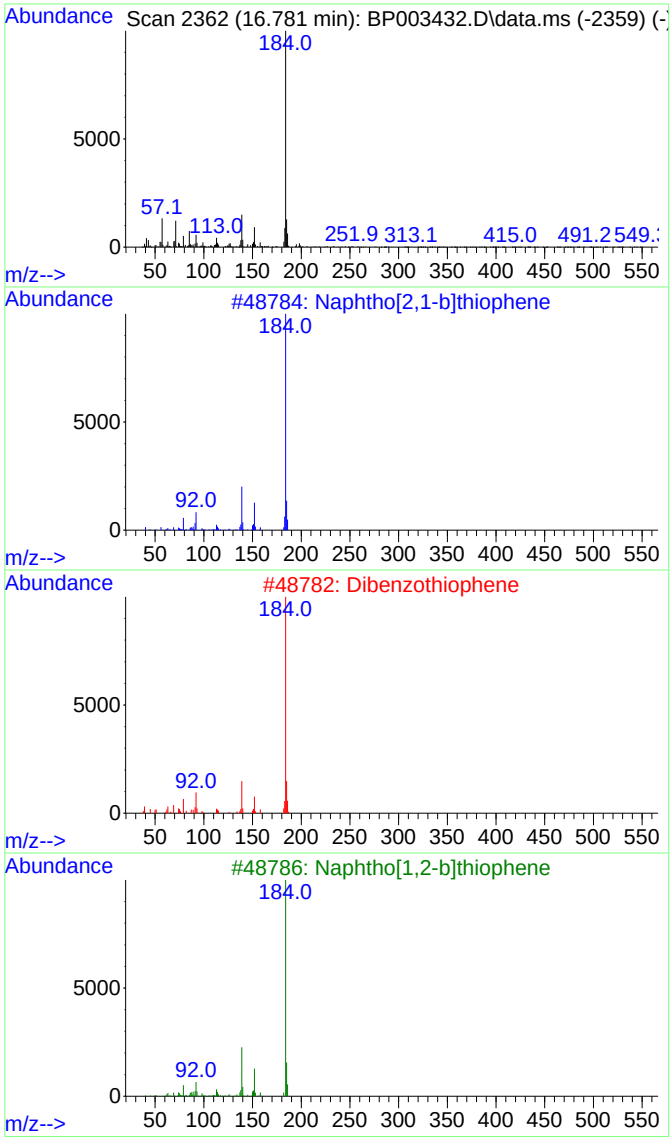
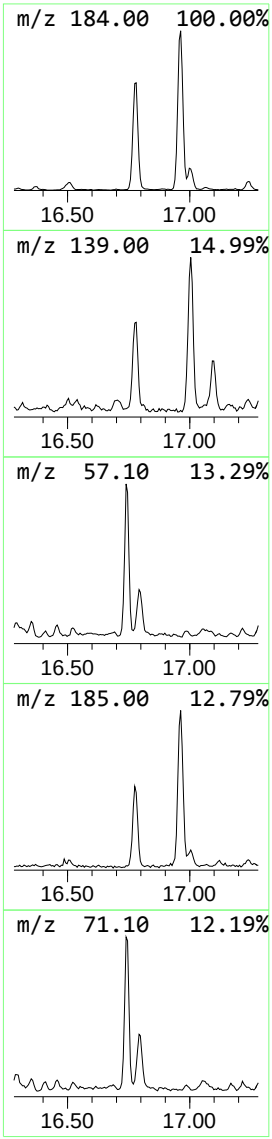
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.781	3.77 ng	273947	Phenanthrene-d10	16.963

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	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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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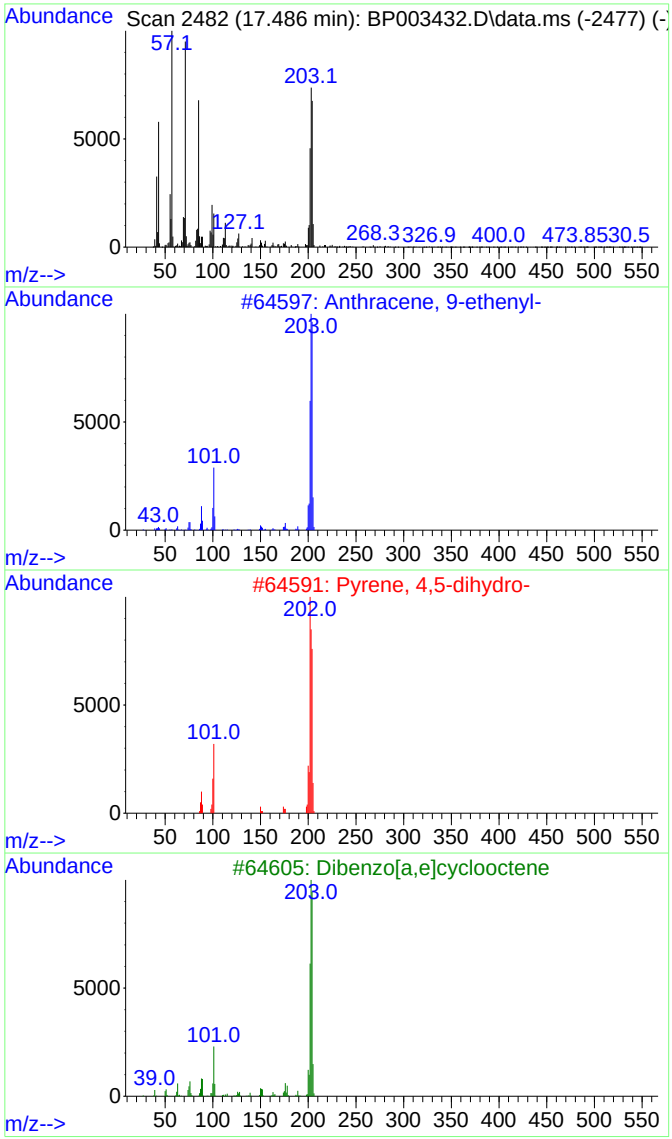
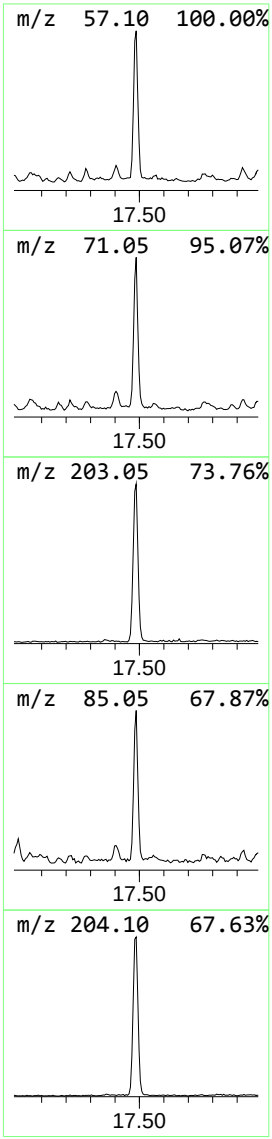
Peak Number 8 Anthracene, 9-ethenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.486	4.42 ng	321156	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	84
2	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	64
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	46





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Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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

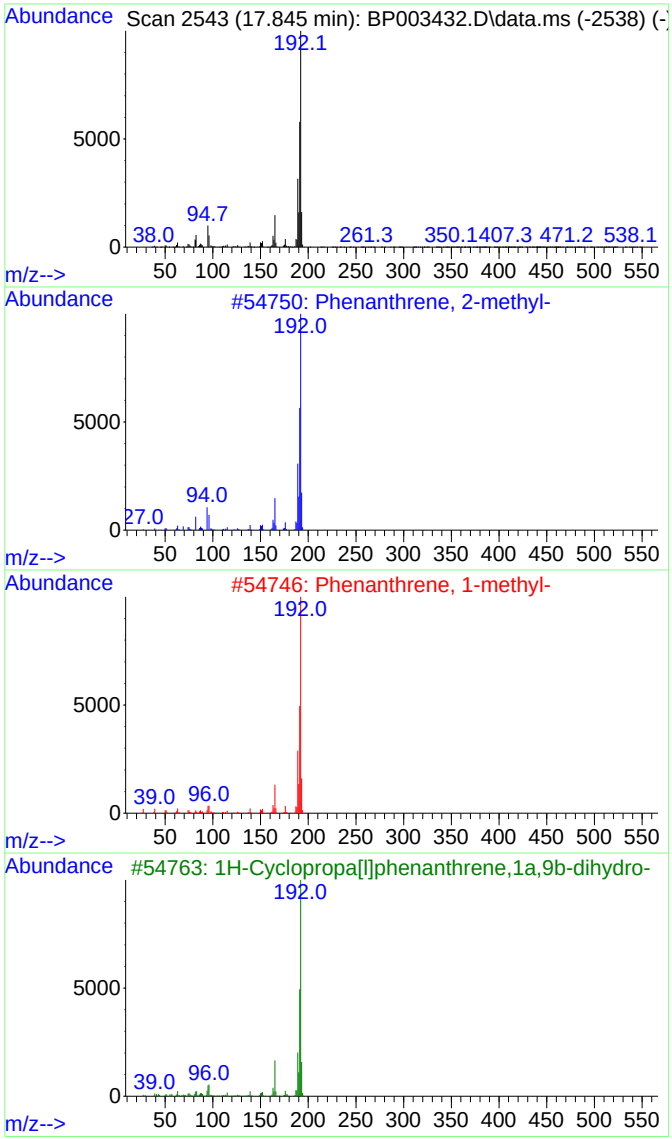
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

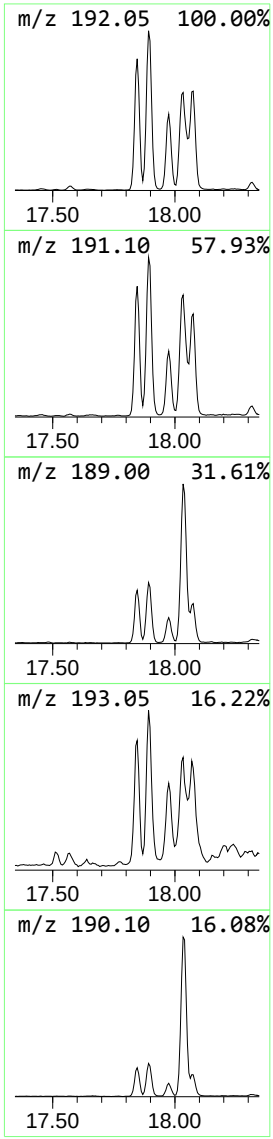
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.845	8.10 ng	588195	Phenanthrene-d10	16.963

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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

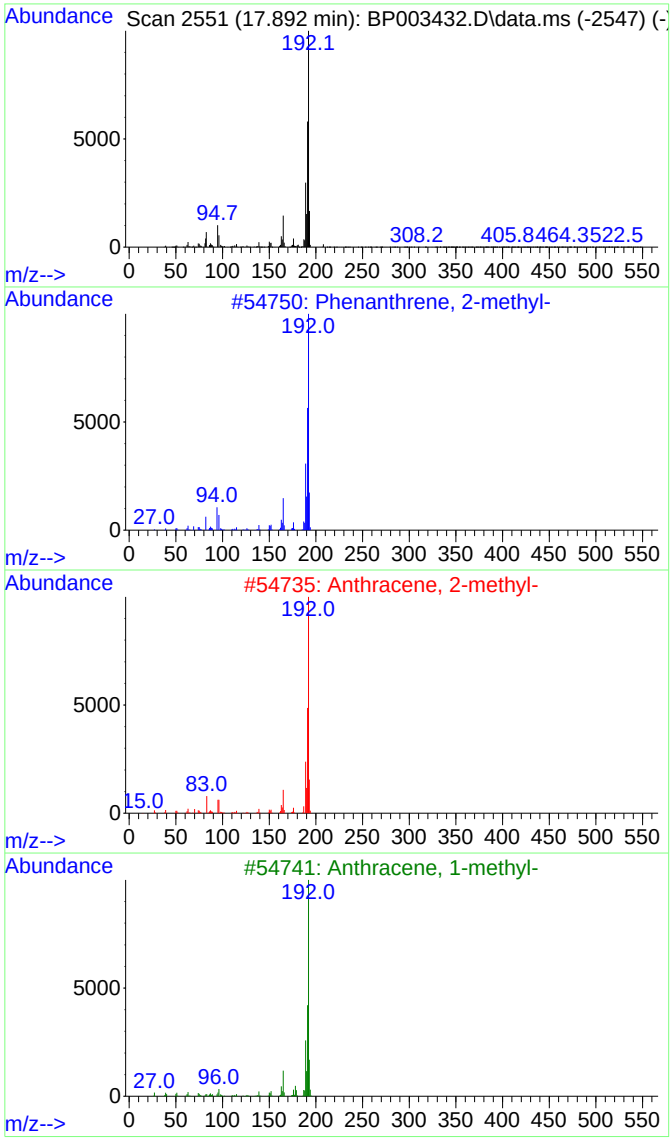
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

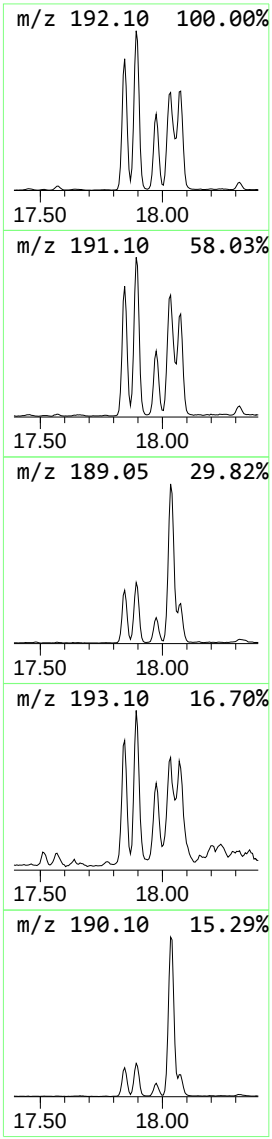
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.892	10.68 ng	775556	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

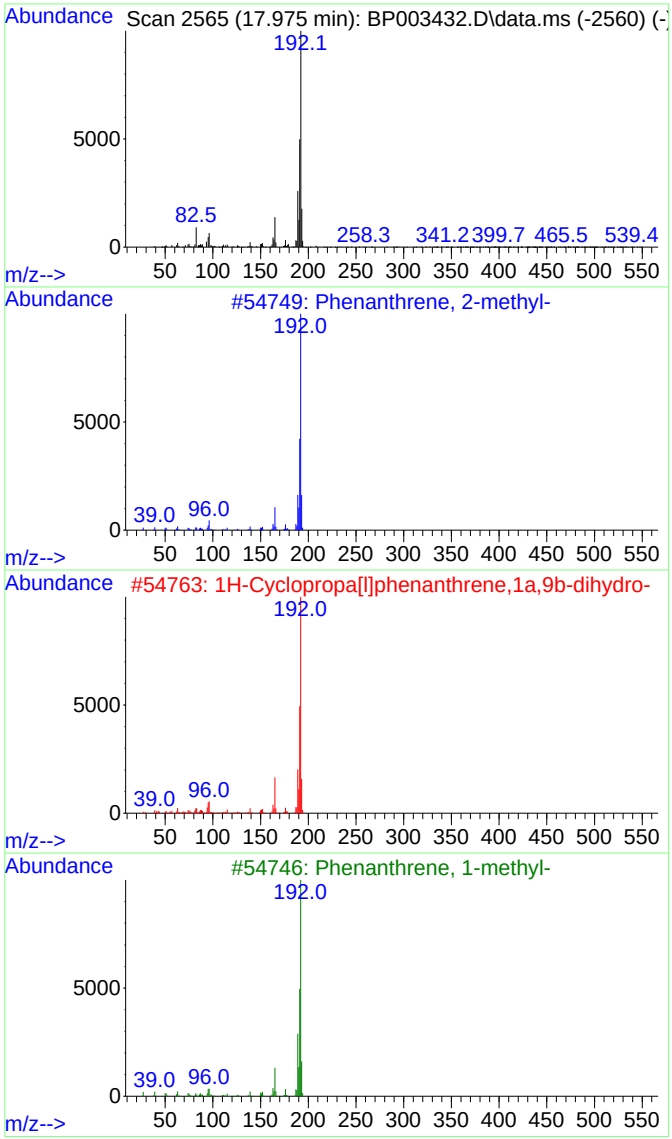
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

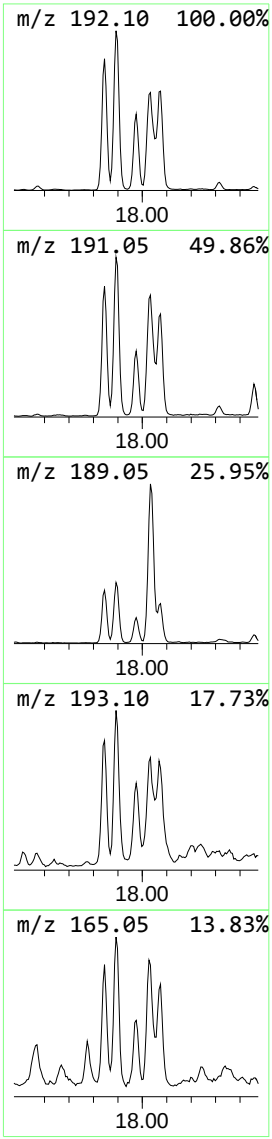
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.975	4.54 ng	329397	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(13-14)

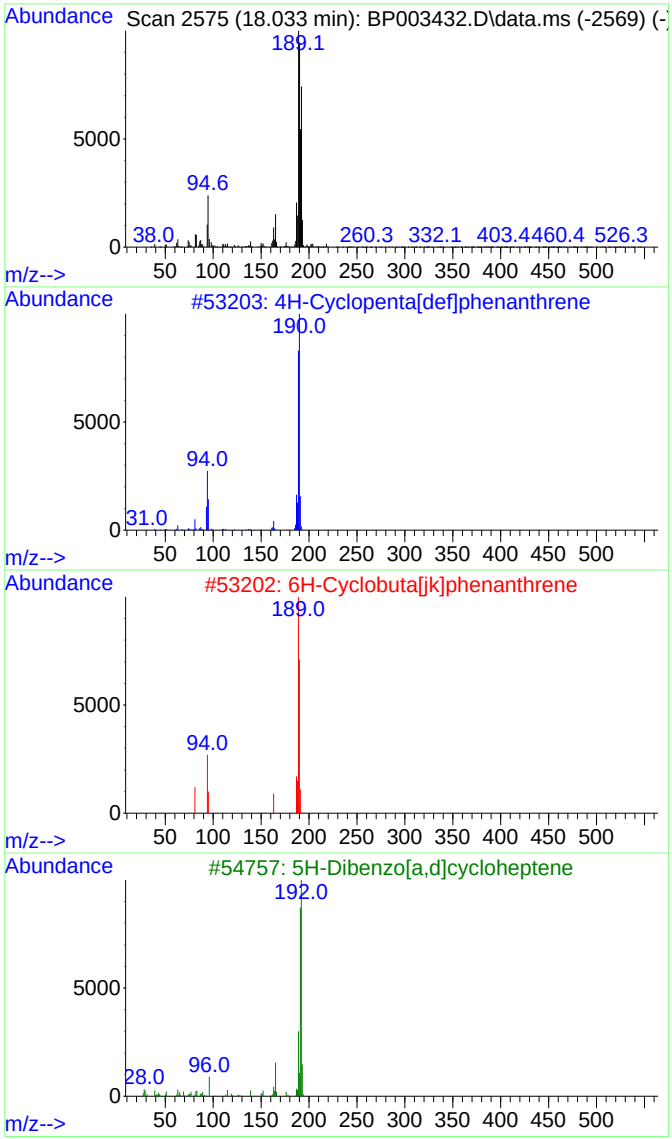
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

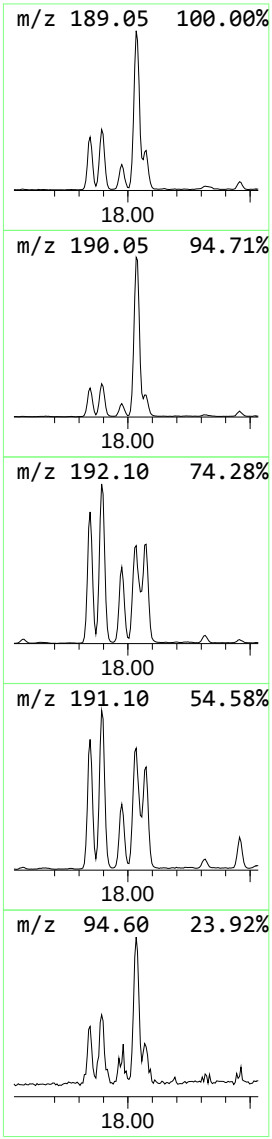
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.033	15.40 ng	1118510	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





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Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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

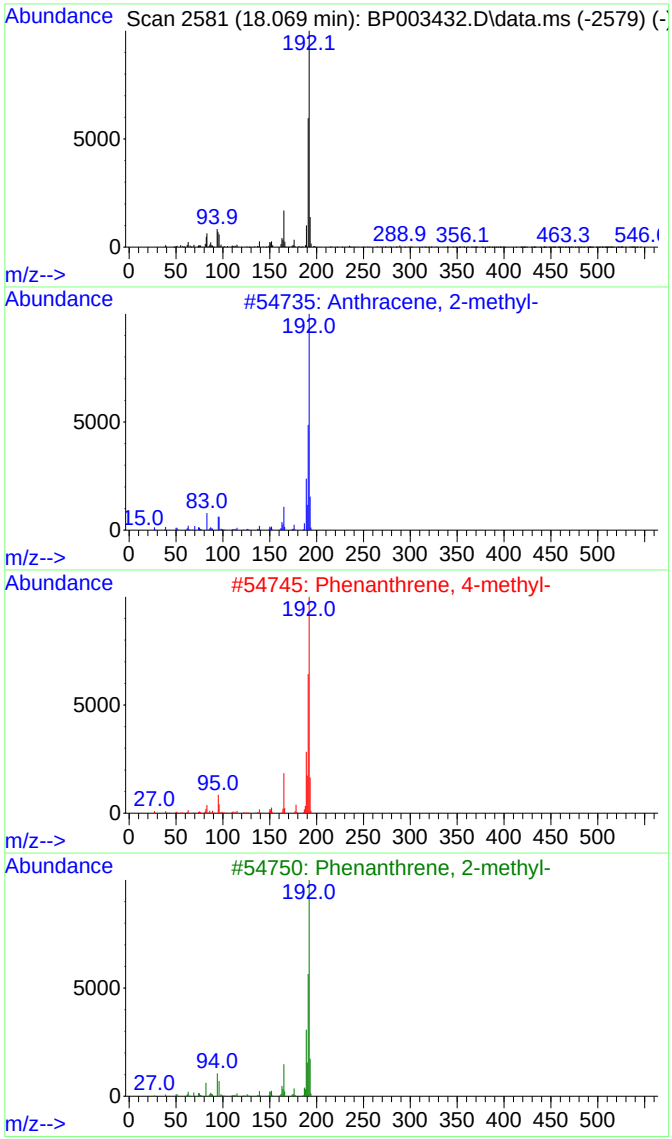
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

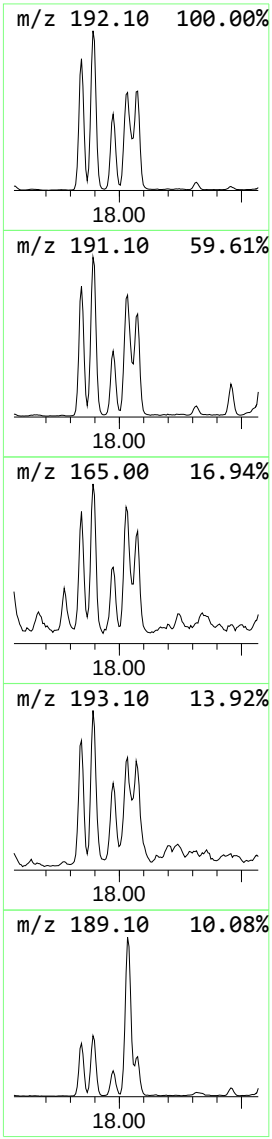
****

Peak Number 13 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.069	6.52 ng	473268	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(13-14)

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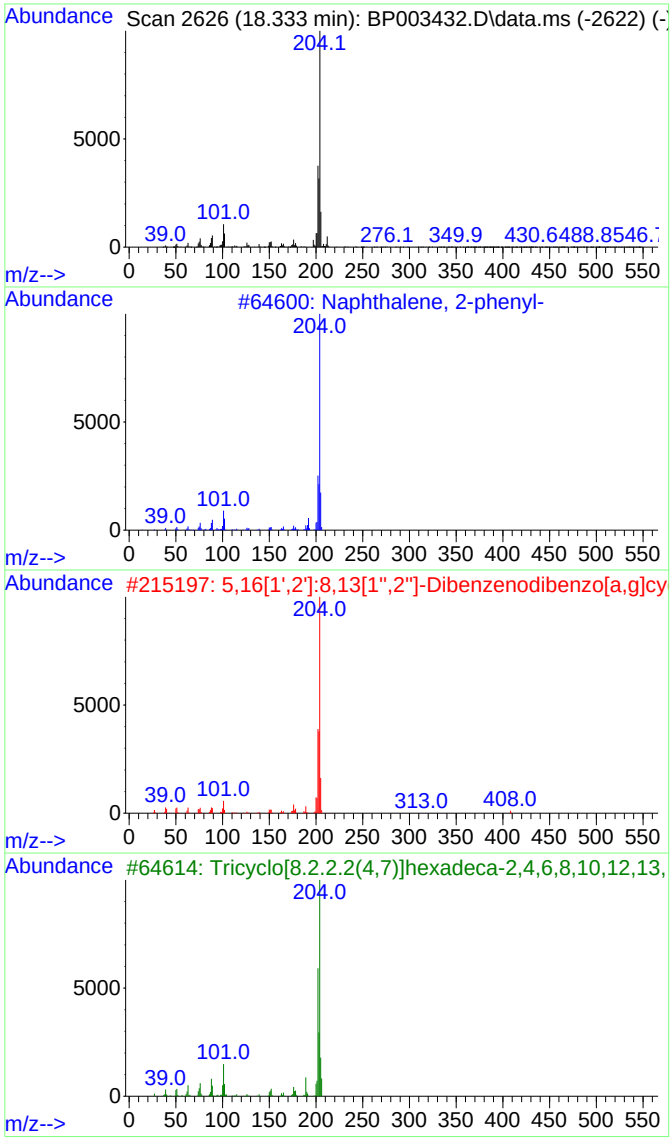
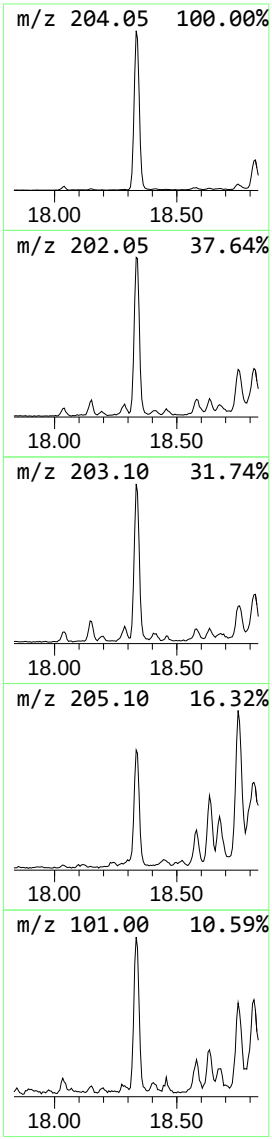
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.333	5.55 ng	403212	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(13-14)

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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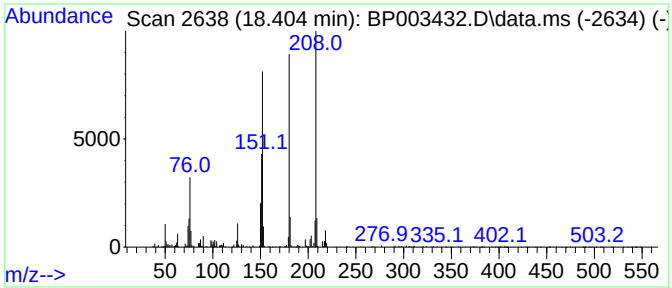
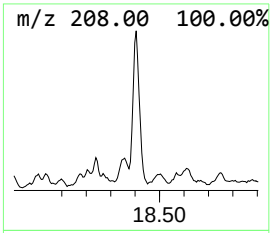
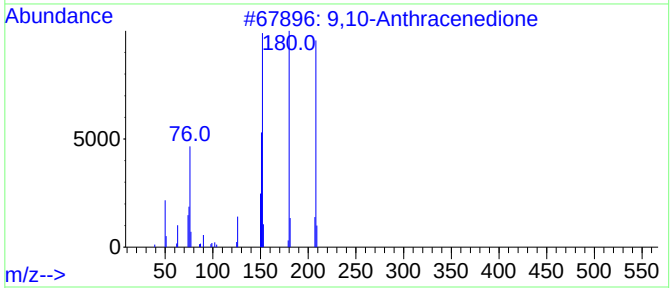
Peak Number 15 9,10-Anthracenedione Concentration Rank 19

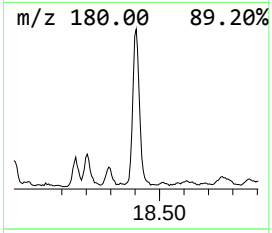
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	3.33 ng	241982	Phenanthrene-d10	16.963

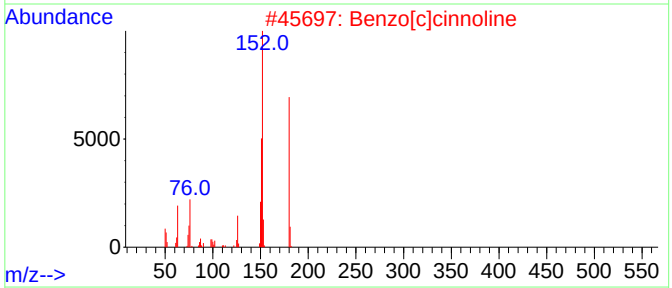
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58

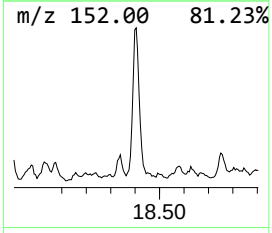


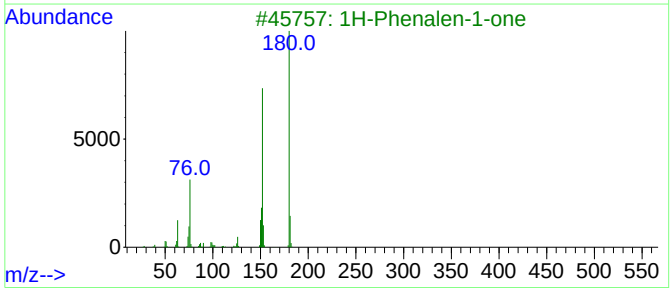


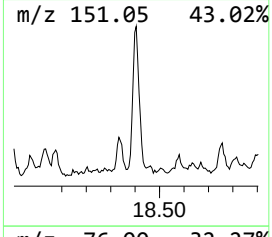


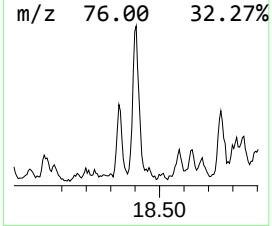












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Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
B-12(13-14)

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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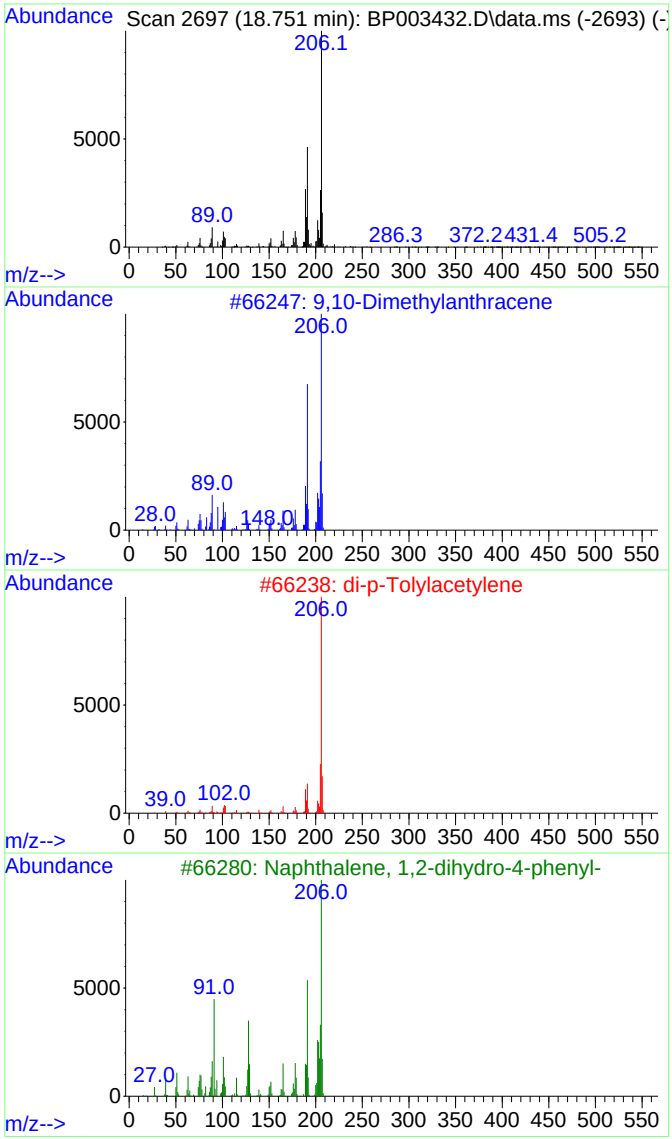
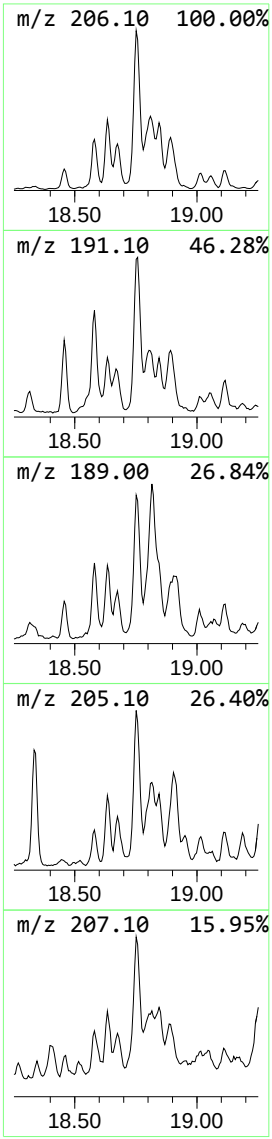
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	6.67 ng	484299	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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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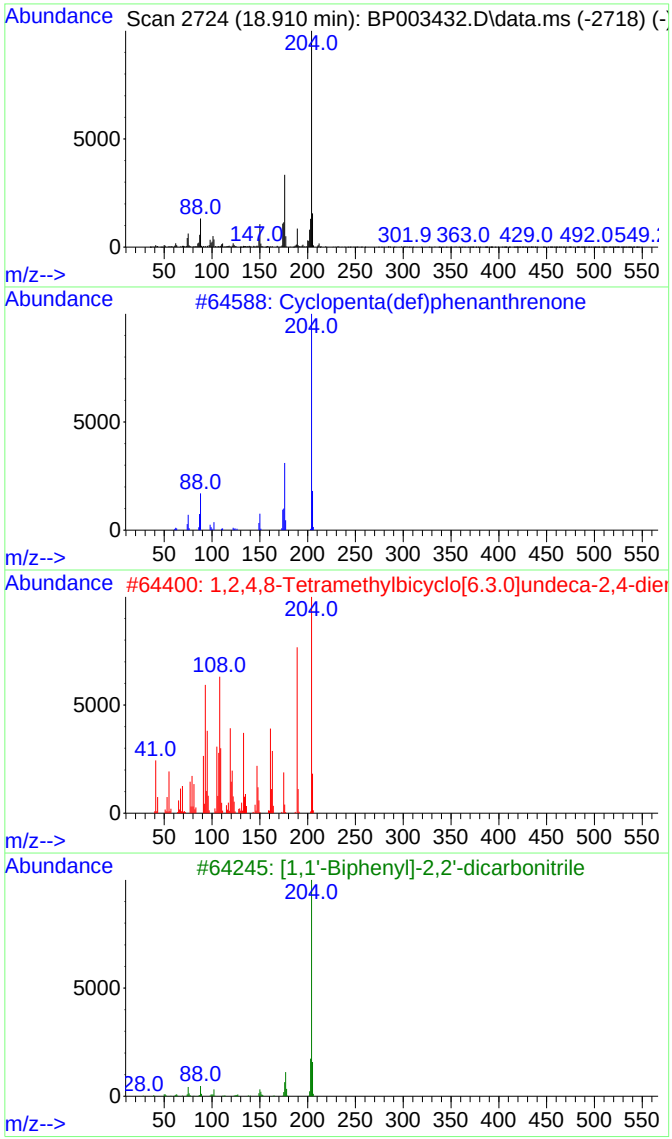
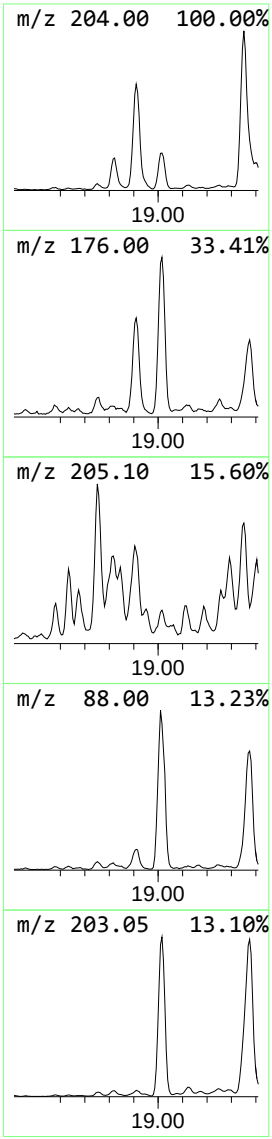
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.910	8.34 ng	605309	Phenanthrene-d10	16.963

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	59
5	3'-Carboxybenzo[1',2',-b]-1,4-di...	204	C11H12N2O2	138023-41-3	50





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Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

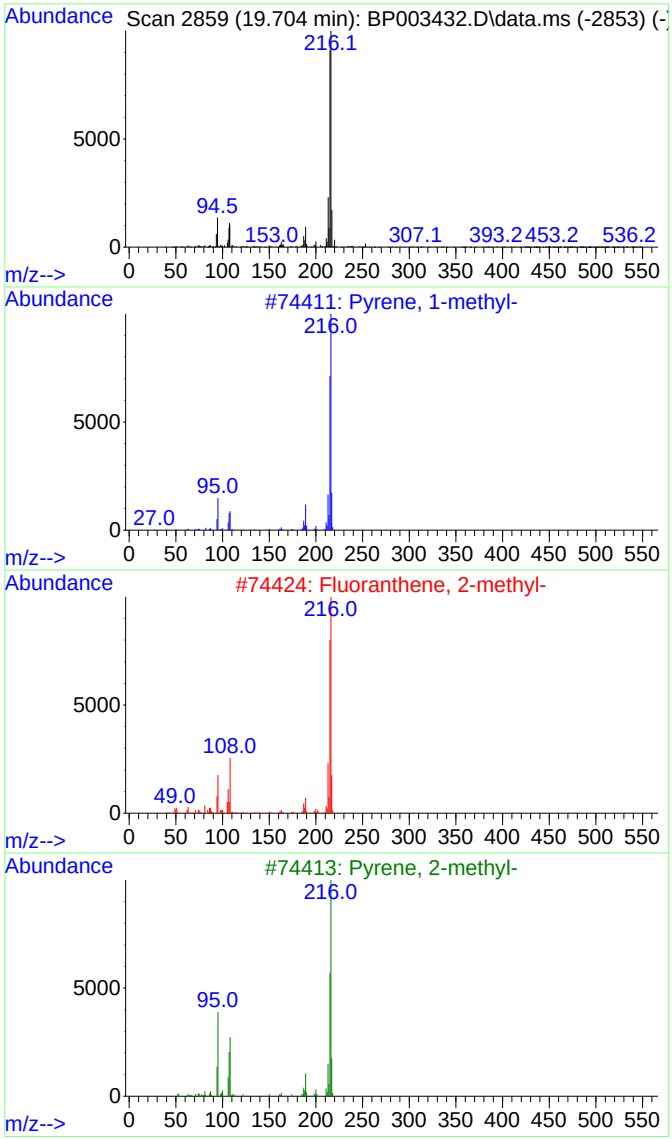
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

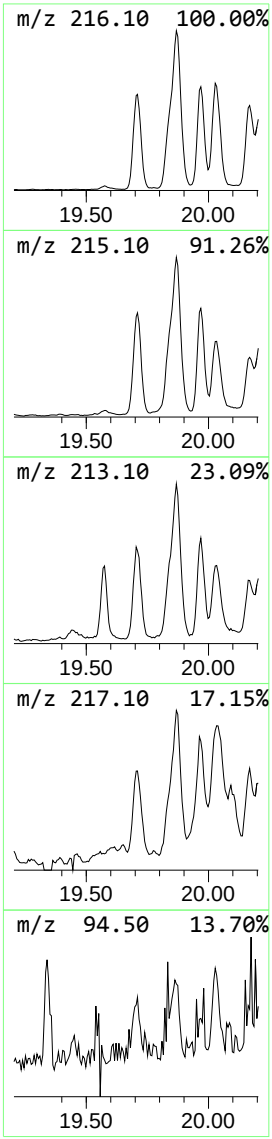
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.704	3.94 ng	655753	Chrysene-d12	21.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
B-12(13-14)

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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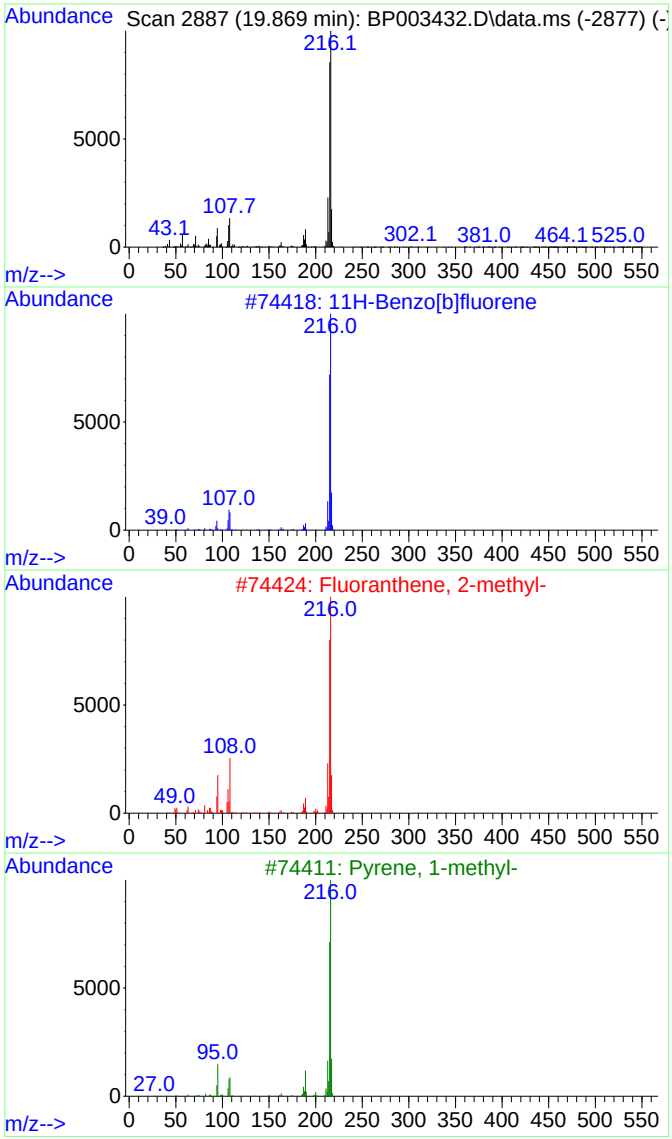
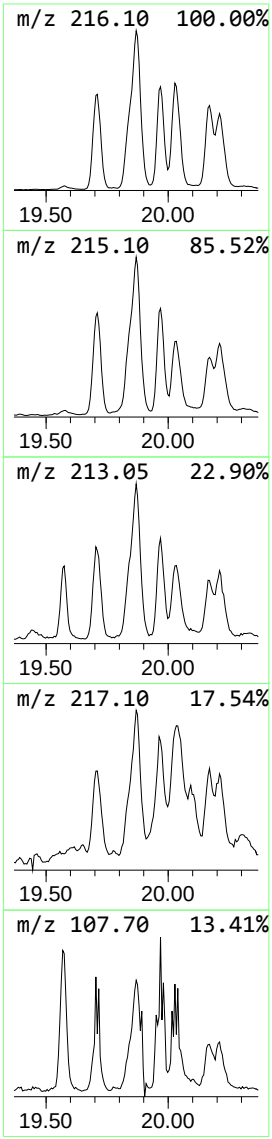
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.869	7.75 ng	1289310	Chrysene-d12	21.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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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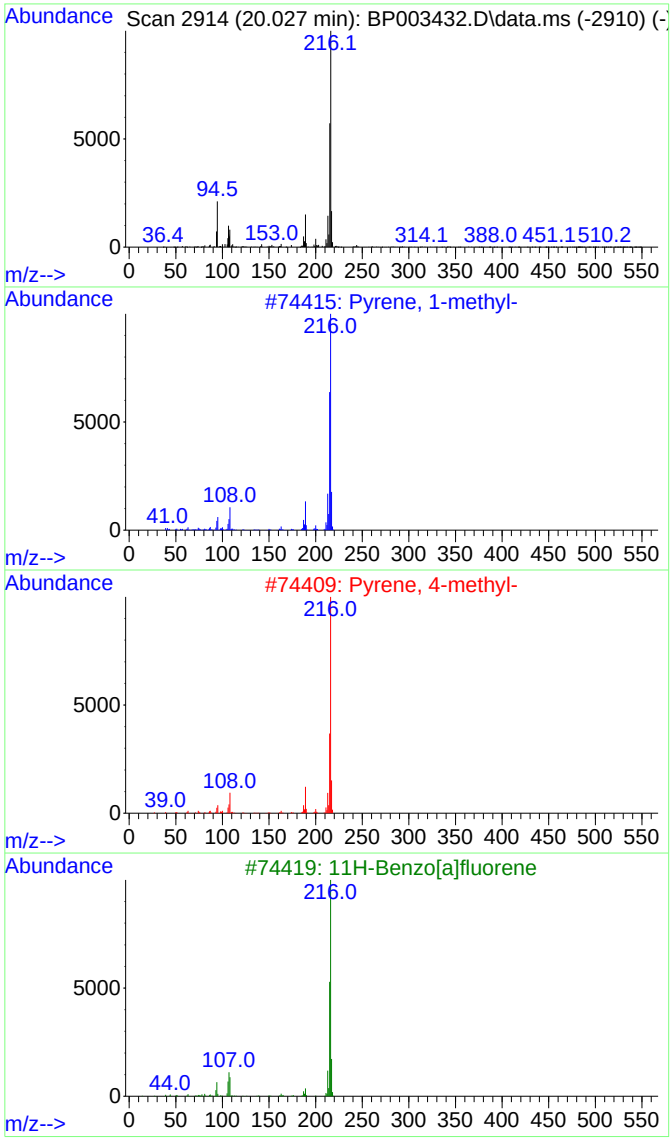
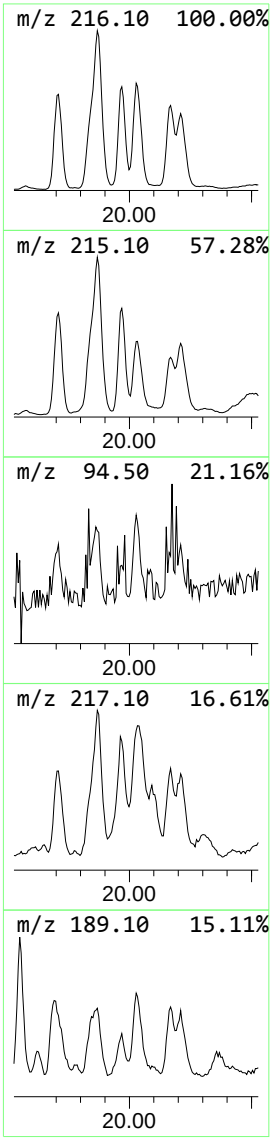
Peak Number 20 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.027	4.61 ng	766587	Chrysene-d12	21.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093020\
Data File : BP003432.D
Acq On : 01 Oct 2020 01:43
Operator : CG/JU
Sample : L4193-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : B-12(13-14)

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
Benzen-d5-amine	6.846	3.3	ng	94051	1	7.540	567445	20.0
Decane, 2,3,5-t...	14.122	4.1	ng	255978	3	14.192	1239900	20.0
Hexadecane	15.081	4.7	ng	292670	3	14.192	1239900	20.0
Dodecane, 1-iodo-	15.945	5.1	ng	369506	4	16.963	1452370	20.0
Dodecane, 2,7,1...	15.969	3.6	ng	261608	4	16.963	1452370	20.0
Dodecane, 2-met...	16.739	4.1	ng	296283	4	16.963	1452370	20.0
Naphtho[2,1-b]t...	16.781	3.8	ng	273947	4	16.963	1452370	20.0
Anthracene, 9-e...	17.486	4.4	ng	321156	4	16.963	1452370	20.0
Phenanthrene, 2...	17.845	8.1	ng	588195	4	16.963	1452370	20.0
Anthracene, 2-m...	17.892	10.7	ng	775556	4	16.963	1452370	20.0
1H-Cyclopropa[l...	17.975	4.5	ng	329397	4	16.963	1452370	20.0
4H-Cyclopenta[d...	18.033	15.4	ng	1118510	4	16.963	1452370	20.0
Phenanthrene, 4...	18.069	6.5	ng	473268	4	16.963	1452370	20.0
Naphthalene, 2-...	18.333	5.5	ng	403212	4	16.963	1452370	20.0
9,10-Anthracene...	18.404	3.3	ng	241982	4	16.963	1452370	20.0
9,10-Dimethylan...	18.751	6.7	ng	484299	4	16.963	1452370	20.0
Cyclopenta(def)...	18.910	8.3	ng	605309	4	16.963	1452370	20.0
Pyrene, 1-methyl-	19.704	3.9	ng	655753	5	21.163	3327070	20.0
11H-Benzo[b]flu...	19.869	7.8	ng	1289310	5	21.163	3327070	20.0
Pyrene, 4-methyl-	20.027	4.6	ng	766587	5	21.163	3327070	20.0