LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

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_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136327.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.045	498	503	507	rVB	25786	32841	1.50%	0.161%
2	5.440	566	570	574	rBV	2011436	1917763	87.38%	9.389%
3	6.439	735	740	743	rBV	1947378	1718142	78.29%	8.412%
4	6.639	771	774	779	rBV2	30343	33982	1.55%	0.166%
5	6.804	799	802	806	rBV	769172	626696	28.56%	3.068%
6	7.363	893	897	900	rBV	1273741	1098225	50.04%	5.377%
7	8.081	1015	1019	1023	rBV	846691	723945	32.99%	3.544%
8	9.163	1199	1203	1206	rBV	2457100	2004929	91.36%	9.816%
9	9.280	1219	1223	1227	rVB	31440	28847	1.31%	0.141%
10	9.698	1291	1294	1299	rBV	81465	69813	3.18%	0.342%
11	9.839	1312	1318	1322	rBV	889958	709877	32.35%	3.475%
12	10.386	1409	1411	1417	rVB	22941	28165	1.28%	0.138%
13	10.633	1449	1453	1460	rBV	1193681	1093413	49.82%	5.353%
14	10.757	1470	1474	1478	rBV4	26978	32228	1.47%	0.158%
15	11.227	1552	1554	1559	rVB2	27571	29583	1.35%	0.145%
16	11.333	1568	1572	1574	rBV	851152	732080	33.36%	3.584%
17	11.357	1574	1576	1580	rVV	394837	305664	13.93%	1.496%
18	11.410	1580	1585	1587	rVB	90362	92517	4.22%	0.453%
19	11.563	1605	1611	1614	rBV2	39724	53023	2.42%	0.260%
20	11.792	1647	1650	1654	rBV5	20925	33304	1.52%	0.163%
21	11.839	1654	1658	1660	rVV	71868	78038	3.56%	0.382%
22	11.869	1660	1663	1668	rVV2	308919	312694	14.25%	1.531%
23	11.910	1668	1670	1673	rVV2	46708	52407	2.39%	0.257%
24	11.945	1673	1676	1679	rVV2	122066	147690	6.73%	0.723%
25	11.969	1679	1680	1684	rVB	52994	46875	2.14%	0.229%
26	12.133	1705	1708	1710	rBV	41754	41314	1.88%	0.202%
27	12.157	1710	1712	1717	rVB	65204	58269	2.66%	0.285%
28	12.392	1748	1752	1755	rBV	72490	75979	3.46%	0.372%
29	12.427	1755	1758	1763	rVB4	43665	76637	3.49%	0.375%
30	12.474	1763	1766	1770	rBV2	63369	69057	3.15%	0.338%
31	12.551	1775	1779	1783	rBV	1029523	890761	40.59%	4.361%
32	12.657	1793	1797	1800	rBV2	70127	99659	4.54%	0.488%
33	12.780	1812	1818	1821	rBV	934983	912804	41.59%	4.469%
34	12.833	1825	1827	1832	rVB2	41887	50565	2.30%	0.248%
35	12.904	1836	1839	1840	rBV2	42971	46288	2.11%	0.227%
36	12.933	1840	1844	1847	rVV	2518955	2194641	100.00%	10.745%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

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_F\Methods\8270-BF112723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.004	1852	1856	1859	rBV3	65626	97505	4.44%	0.477%
38	13.092	1868	1871	1872	rBV2	54000	60086	2.74%	0.294%
39	13.110	1872	1874	1877	rVB	138582	131920	6.01%	0.646%
40	13.180	1882	1886	1888	rVV2	103835	97849	4.46%	0.479%
41	13.216	1889	1892	1895	rVV2	104236	100369	4.57%	0.491%
42	13.310	1905	1908	1910	rVB	72089	55879	2.55%	0.274%
43	13.339	1911	1913	1916	rVV	67599	57953	2.64%	0.284%
44	13.621	1959	1961	1968	rVB	65664	72869	3.32%	0.357%
45	13.733	1976	1980	1983	rBV3	89401	127611	5.81%	0.625%
46	13.763	1983	1985	1987	rVV	73656	65850	3.00%	0.322%
47	13.786	1987	1989	1991	rVV	68384	66828	3.05%	0.327%
48	13.833	1995	1997	2001	rVB2	70377	83566	3.81%	0.409%
49	13.880	2001	2005	2013	rBV4	76961	196419	8.95%	0.962%
50	13.986	2018	2023	2026	rBV2	830209	1092161	49.76%	5.347%
51	14.015	2026	2028	2030	rVB	387274	283470	12.92%	1.388%
52	15.039	2198	2202	2205	rBV	321916	458079	20.87%	2.243%
53	15.351	2252	2255	2261	rVB	190245	240422	10.95%	1.177%
54	15.409	2262	2265	2271	rVB	217763	259650	11.83%	1.271%
55	15.480	2273	2277	2280	rBV	290824	358433	16.33%	1.755%

Sum of corrected areas: 20425634

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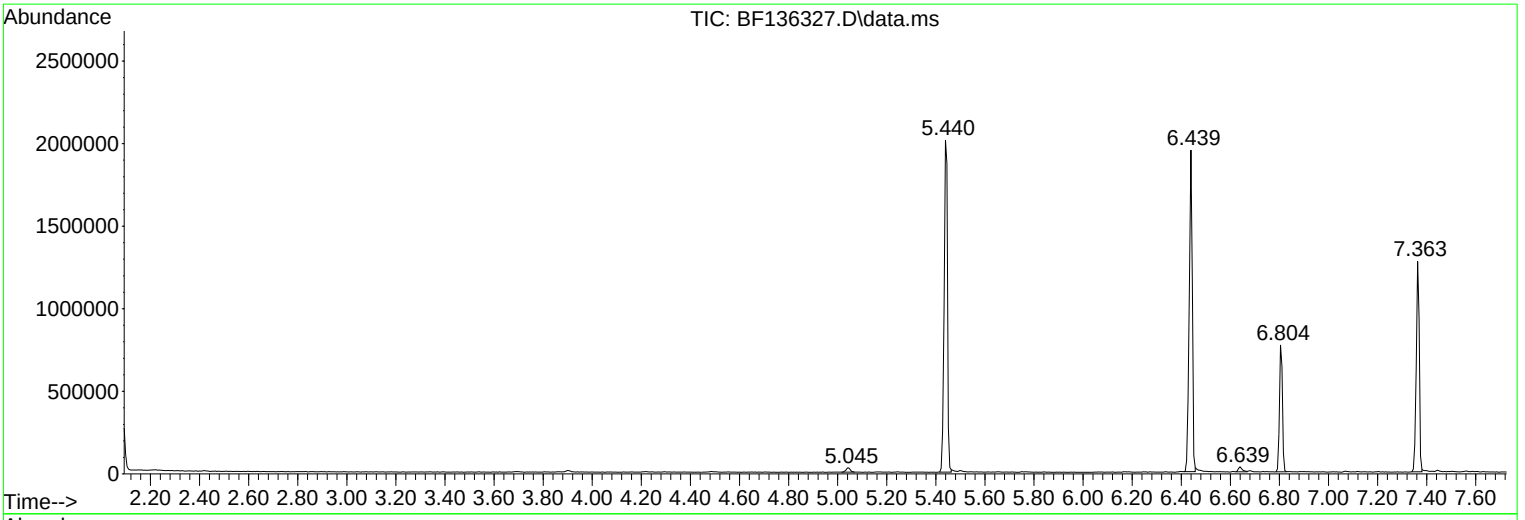
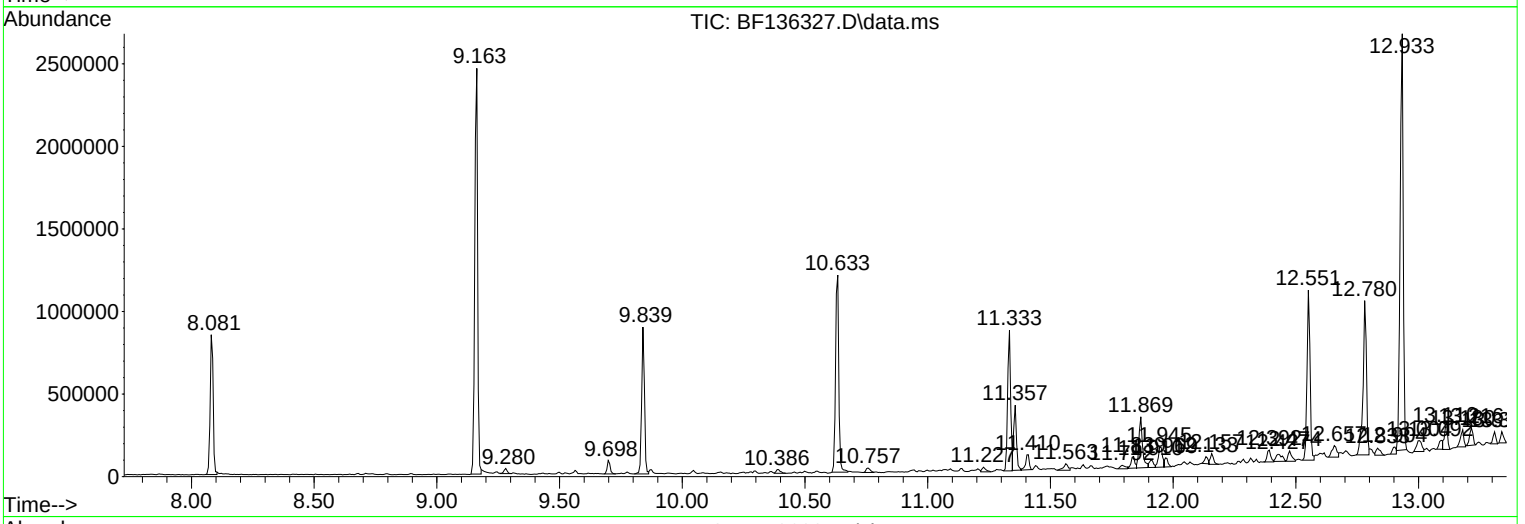
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

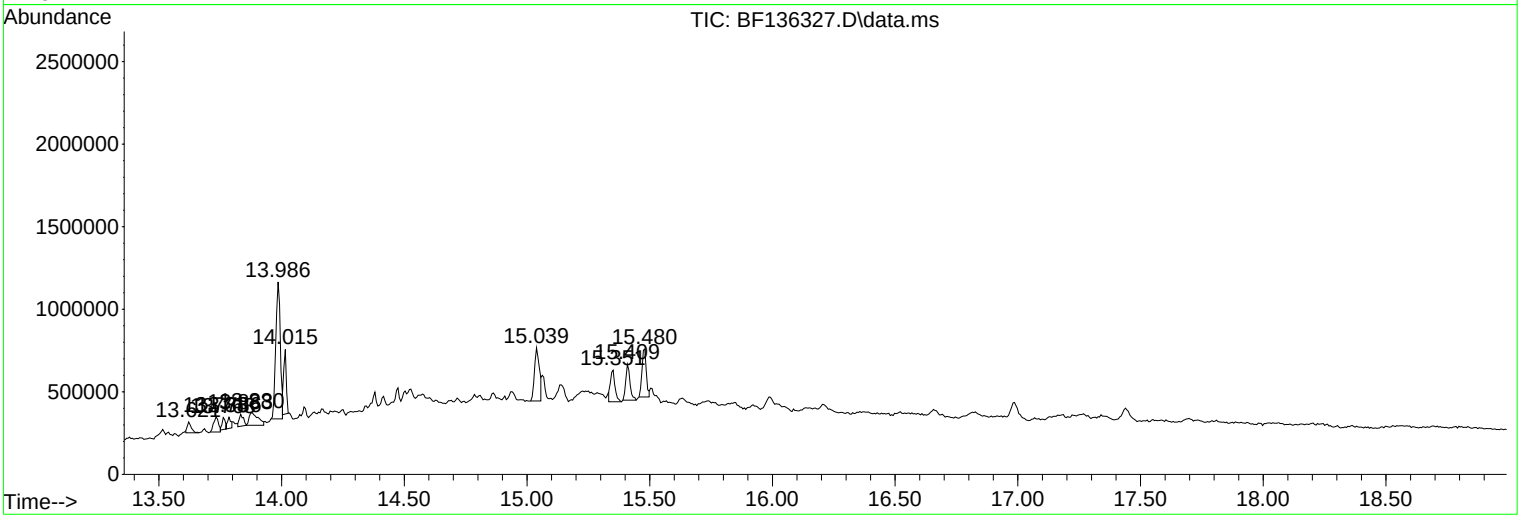
Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

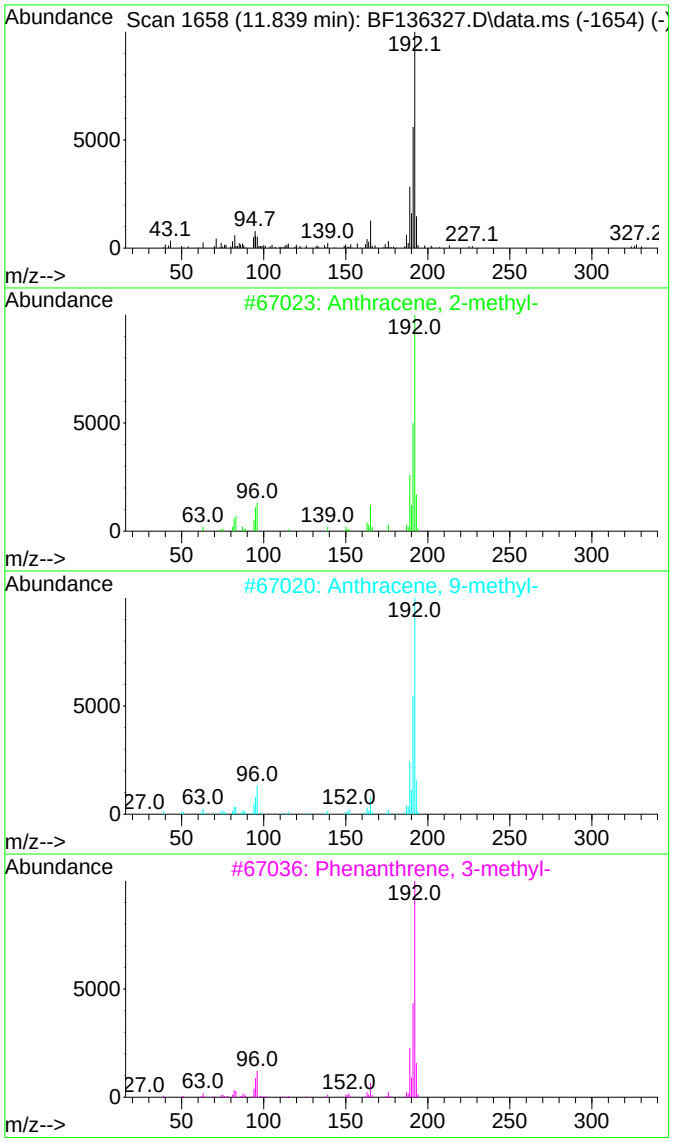
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

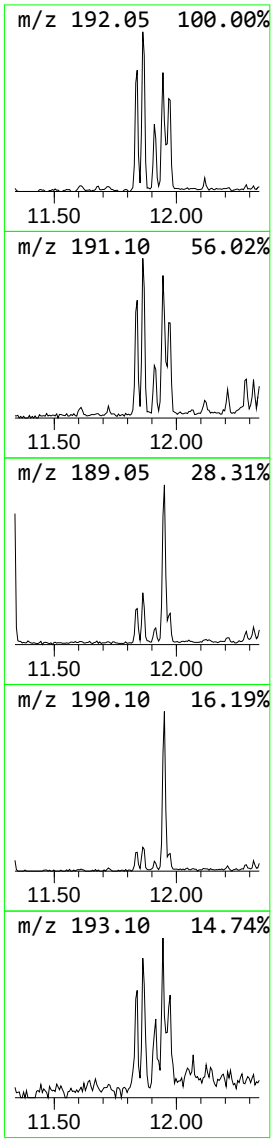
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	2.13 ng	78038	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

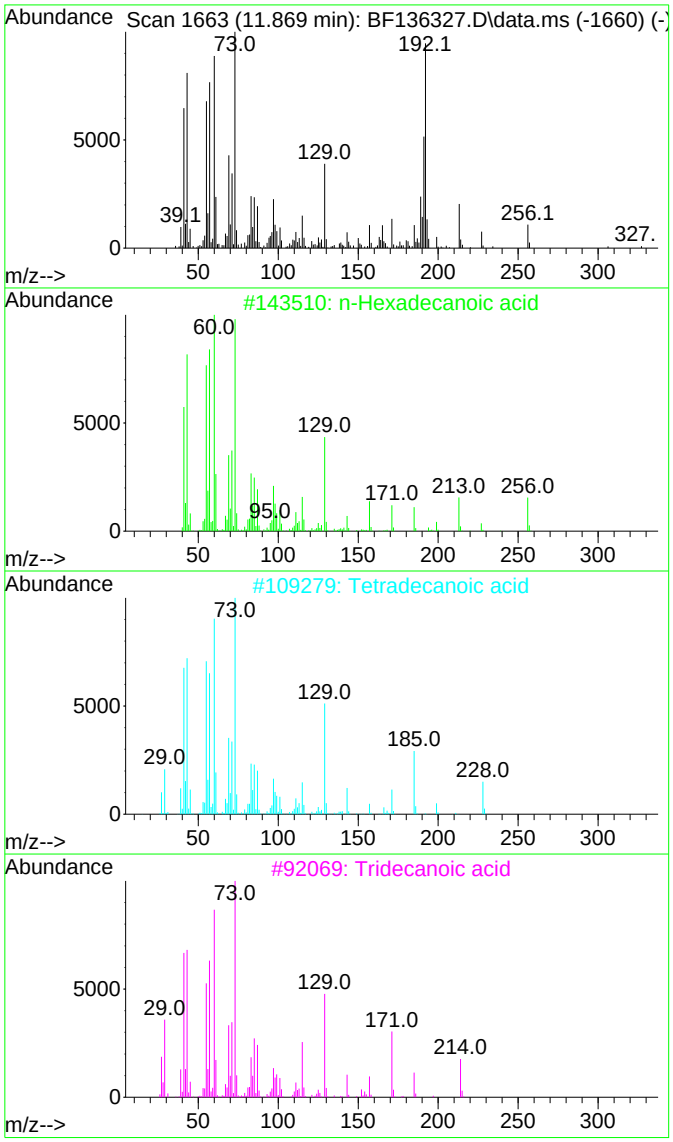
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

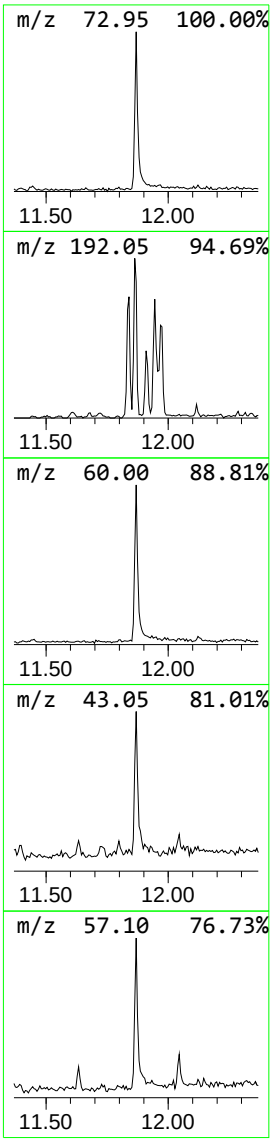
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.868	8.54 ng	312694	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	95
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

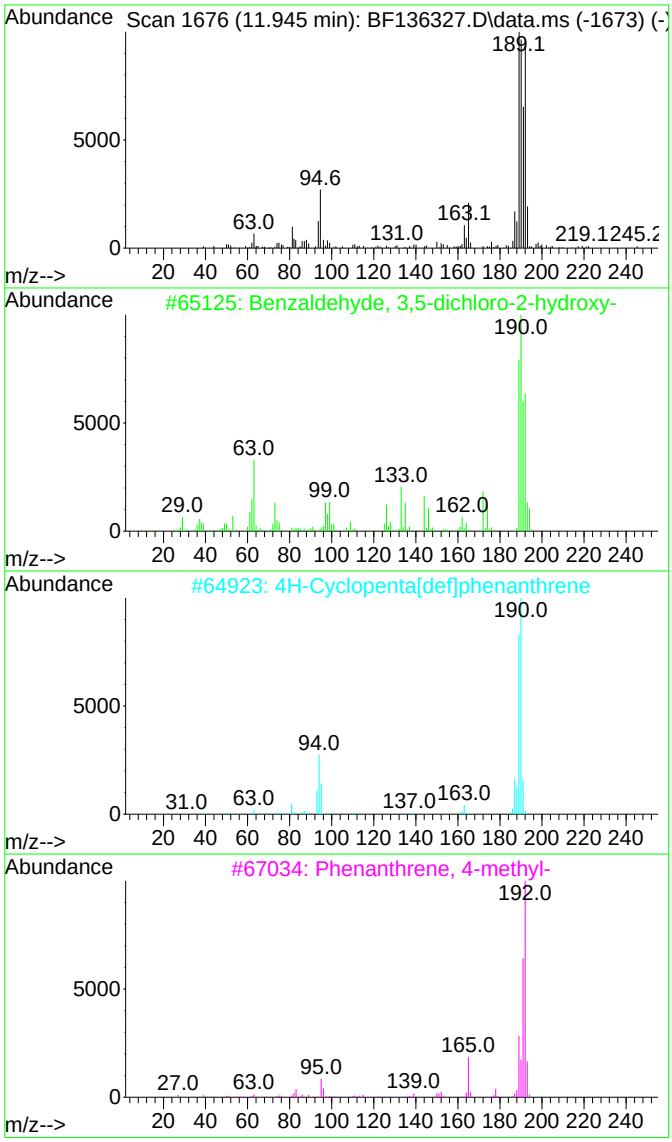
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

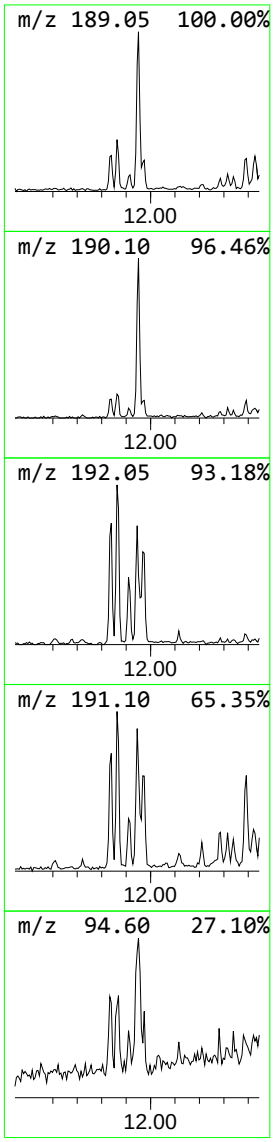
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	4.03 ng	147690	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	41
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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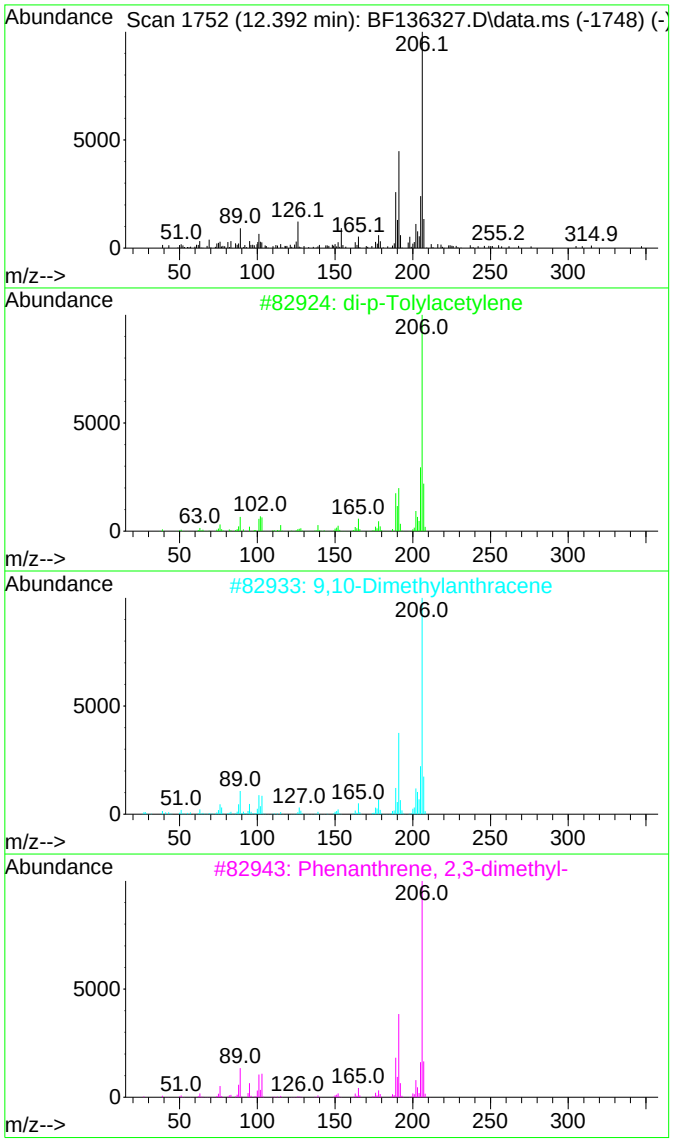
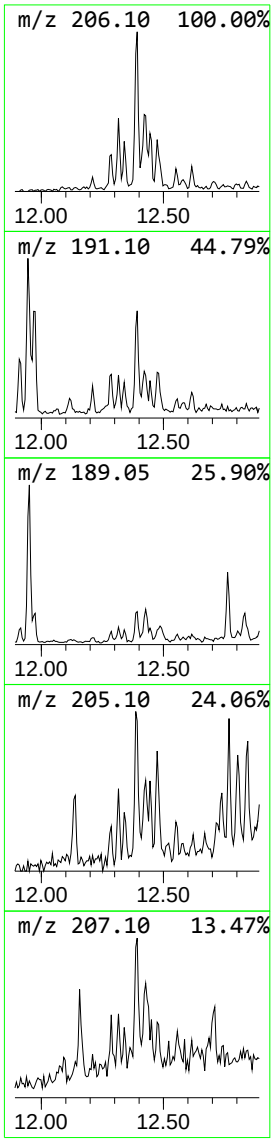
Peak Number 4 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	2.08 ng	75979	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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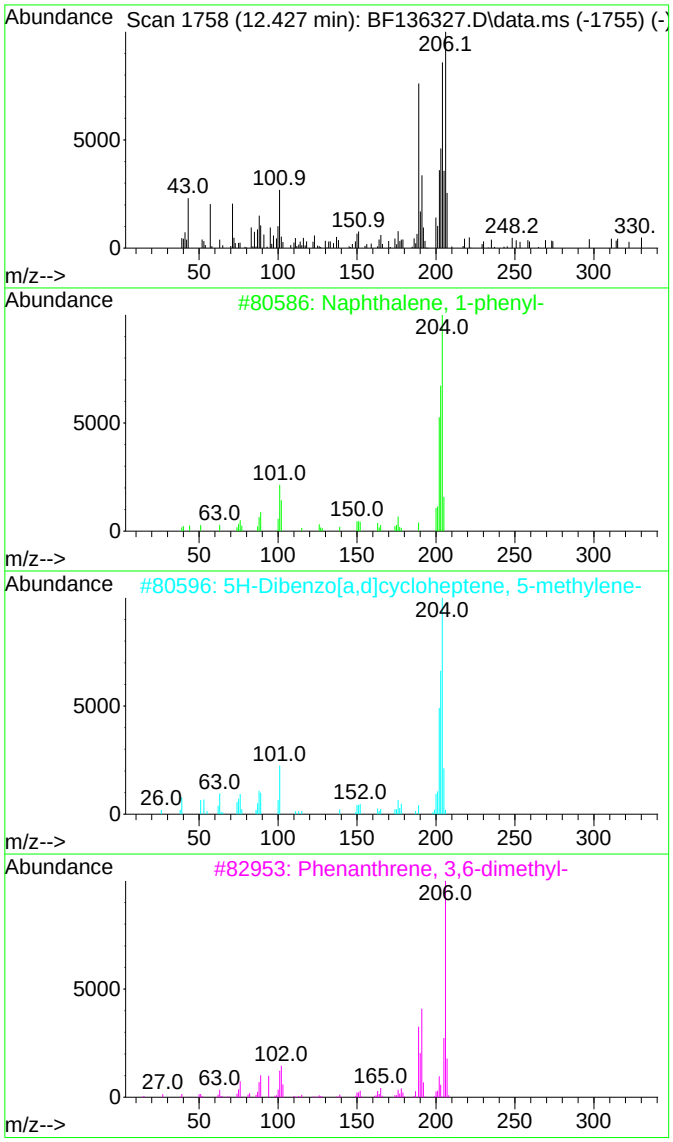
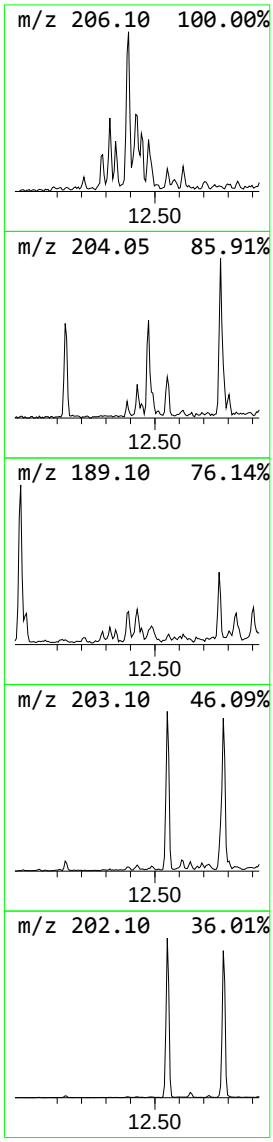
Peak Number 5 unknown12.427 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	2.09 ng	76637	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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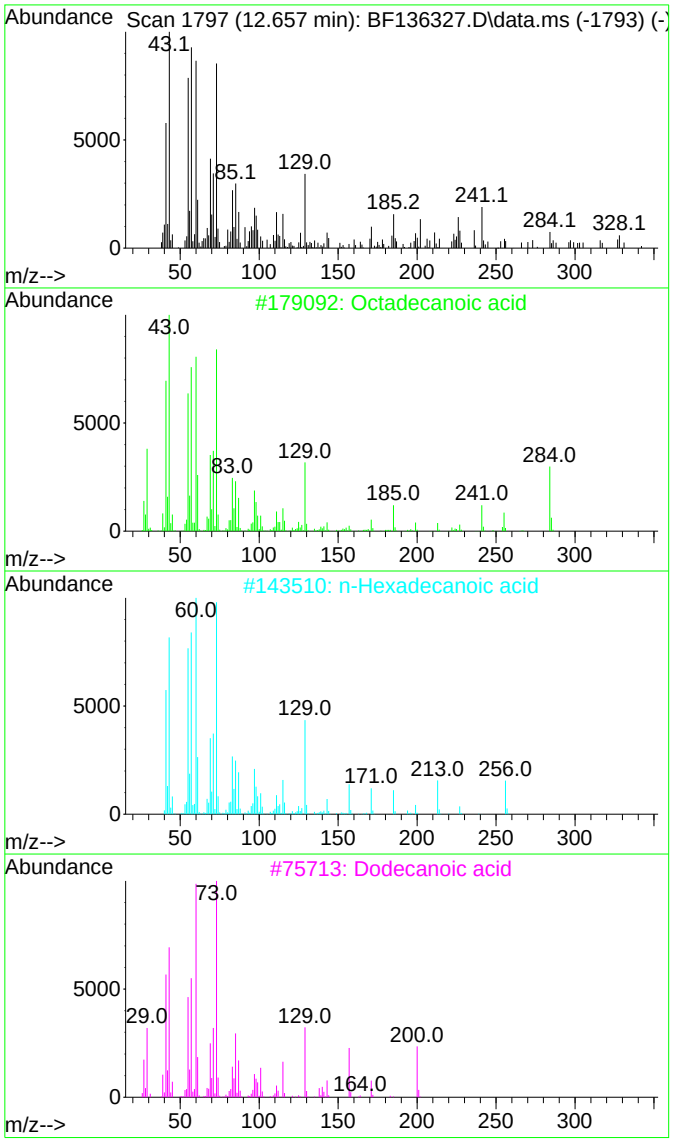
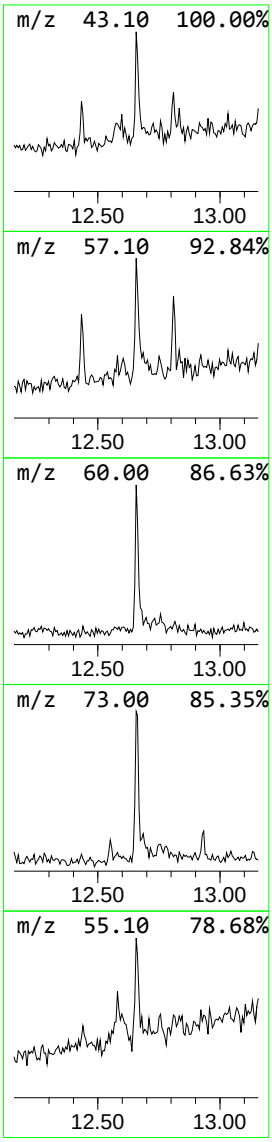
Peak Number 6 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.657	2.72 ng	99659	Phenanthrene-d10	11.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Dodecanoic acid	200	C12H24O2	000143-07-7	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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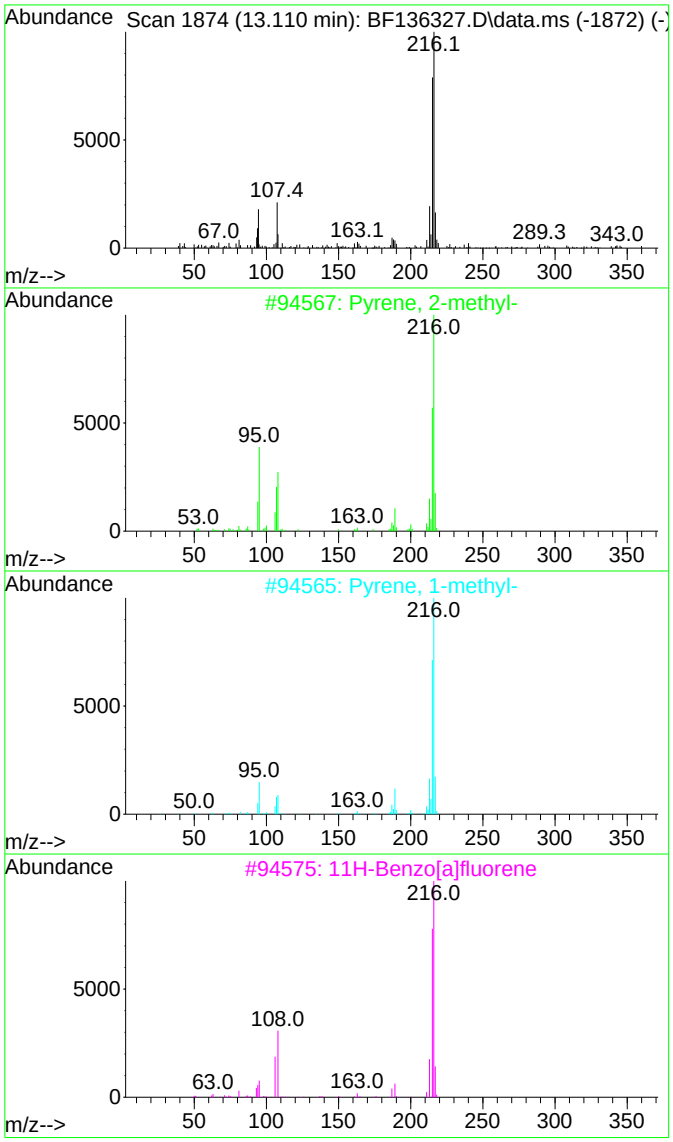
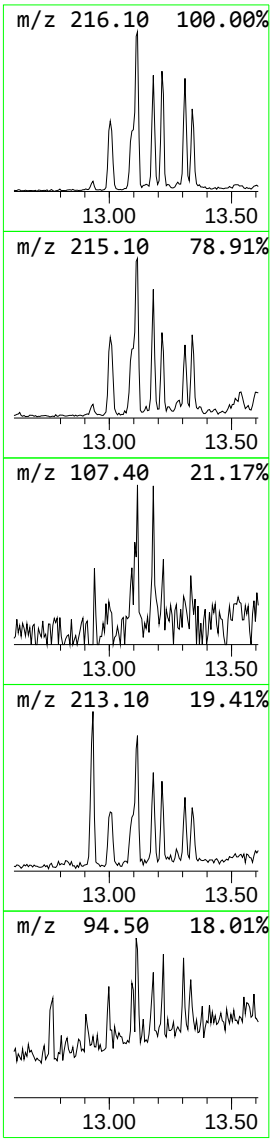
Peak Number 7 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.110	2.42 ng	131920	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

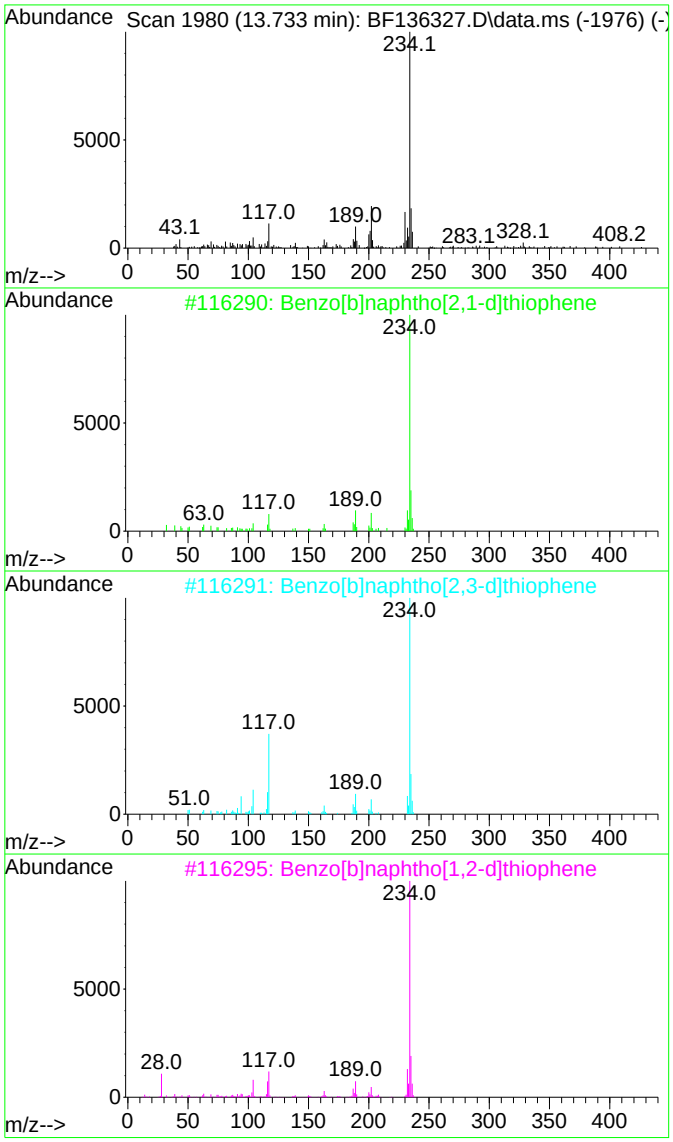
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

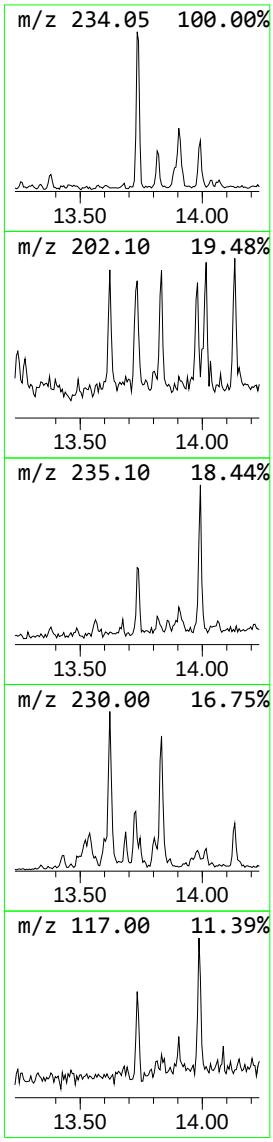
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	2.34 ng	127611	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	76
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	64
5	3-(1H-benzimidazol-2-yl)-2H-inda...	234	C14H10N4	1097816-83-5	52





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Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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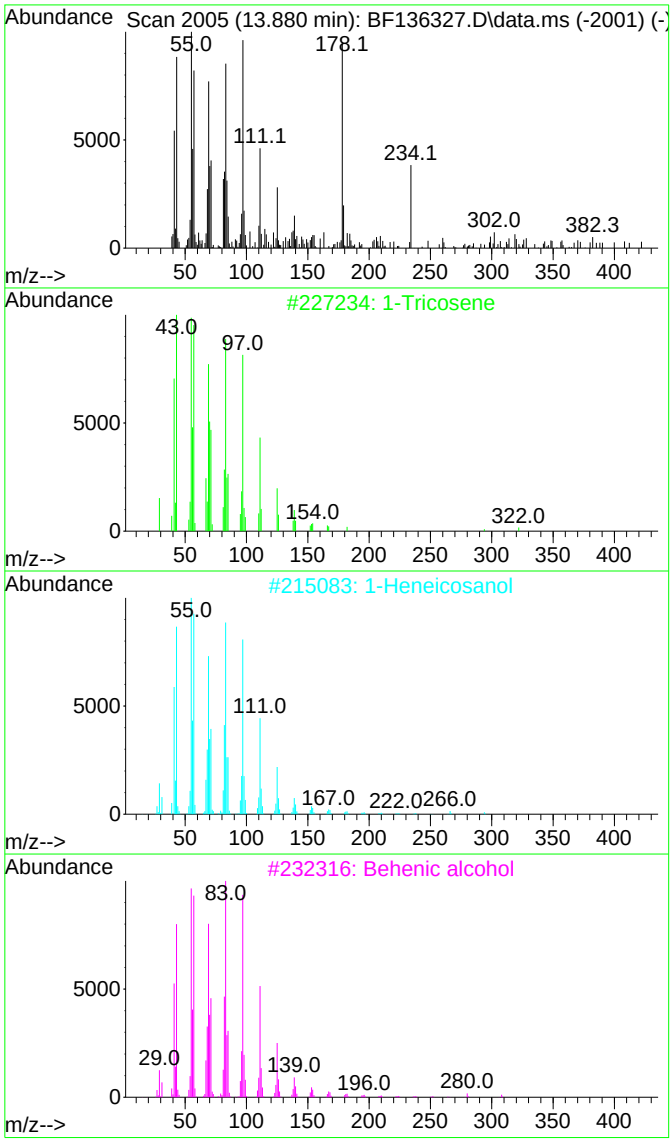
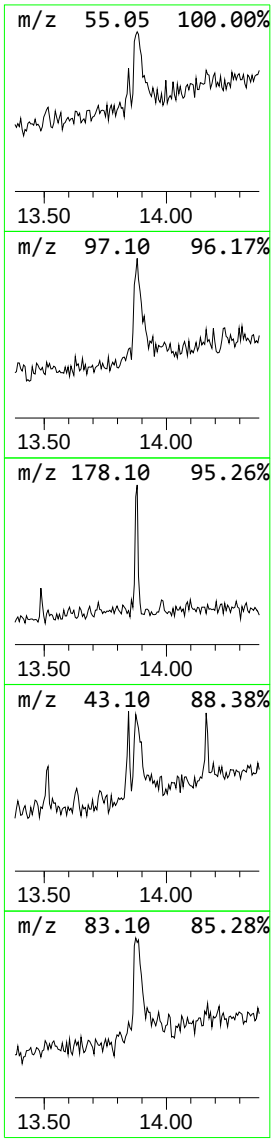
Peak Number 9 1-Tricosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.880	3.60 ng	196419	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	86
2	1-Heneicosanol	312	C21H44O	015594-90-8	86
3	Behenic alcohol	326	C22H46O	000661-19-8	62
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	62
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	62





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Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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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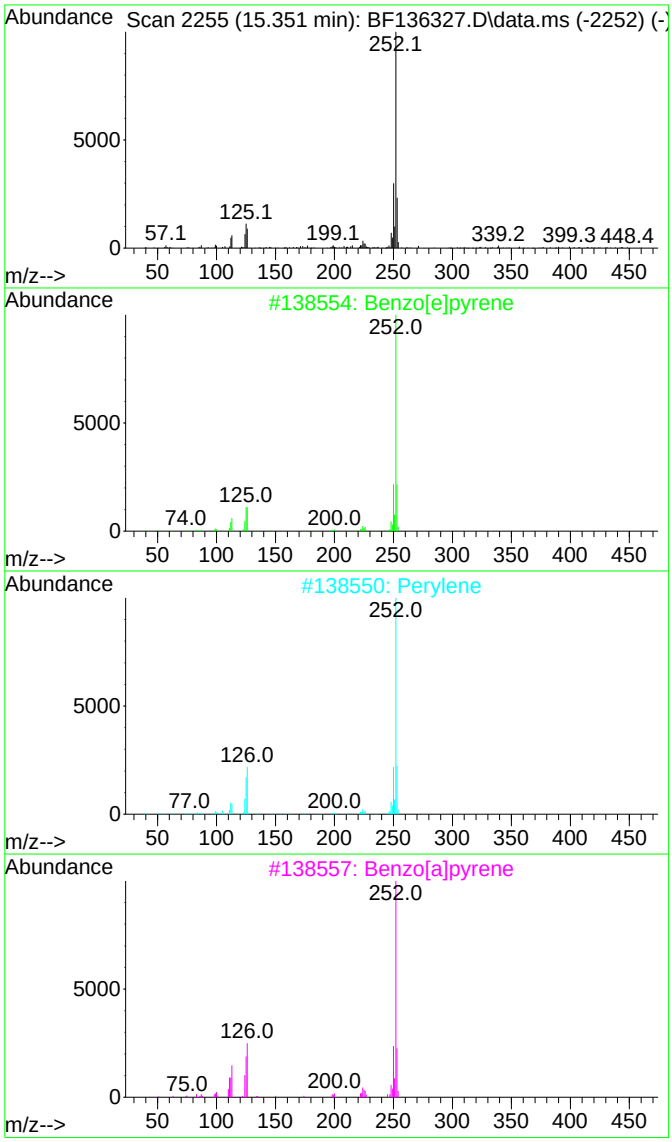
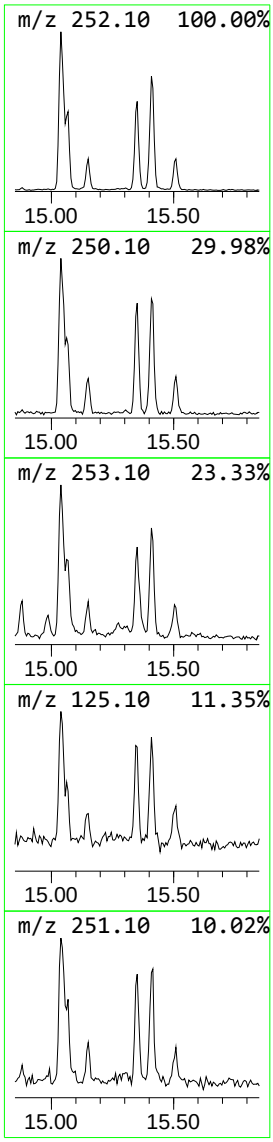
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.351	13.42 ng	240422	Perylene-d12	15.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	92
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF113023\
Data File : BF136327.D
Acq On : 30 Nov 2023 22:21
Operator : CG\JU
Sample : 05434-03
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.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
Anthracene, 2-m...	11.839	2.1	ng	78038	4	11.333	732080	20.0
n-Hexadecanoic ...	11.868	8.5	ng	312694	4	11.333	732080	20.0
Benzaldehyde, 3...	11.945	4.0	ng	147690	4	11.333	732080	20.0
di-p-Tolylacety...	12.392	2.1	ng	75979	4	11.333	732080	20.0
unknown12.427	12.427	2.1	ng	76637	4	11.333	732080	20.0
Octadecanoic acid	12.657	2.7	ng	99659	4	11.333	732080	20.0
Pyrene, 2-methyl-	13.110	2.4	ng	131920	5	13.992	1092160	20.0
Benzo[b]naphtho...	13.733	2.3	ng	127611	5	13.992	1092160	20.0
1-Tricosene	13.880	3.6	ng	196419	5	13.992	1092160	20.0
Benzo[e]pyrene	15.351	13.4	ng	240422	6	15.480	358433	20.0