LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

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-BF062922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129111.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.210	494	497	507	rVB	68647	92590	1.19%	0.133%
2	5.581	551	560	564	rBV	6553538	6935401	88.86%	9.931%
3	6.581	724	730	733	rBV	6495430	6691187	85.73%	9.581%
4	6.957	790	794	797	rBV	2430601	1832875	23.48%	2.625%
5	7.522	885	890	892	rBV	4521077	4367960	55.97%	6.255%
6	8.239	1008	1012	1015	rBV	2858133	2280106	29.21%	3.265%
7	9.316	1190	1195	1198	rBV	9116201	7804707	100.00%	11.176%
8	9.580	1236	1240	1244	rBV2	186011	196255	2.51%	0.281%
9	9.857	1281	1287	1291	rBV	206659	201734	2.58%	0.289%
10	9.998	1308	1311	1314	rVV	2661376	2101169	26.92%	3.009%
11	10.033	1314	1317	1320	rVB	198409	168942	2.16%	0.242%
12	10.204	1339	1346	1349	rVB2	122372	151196	1.94%	0.217%
13	10.310	1360	1364	1367	rBV2	106381	137878	1.77%	0.197%
14	10.416	1376	1382	1385	rVB3	109028	144963	1.86%	0.208%
15	10.545	1401	1404	1411	rVB	204761	209062	2.68%	0.299%
16	10.792	1441	1446	1449	rBV	4367397	4050250	51.89%	5.800%
17	10.892	1460	1463	1464	rBV	129357	116714	1.50%	0.167%
18	11.098	1493	1498	1500	rBV3	70420	95718	1.23%	0.137%
19	11.339	1535	1539	1542	rBV2	138704	140505	1.80%	0.201%
20	11.386	1545	1547	1551	rVB	127483	110490	1.42%	0.158%
21	11.492	1561	1565	1567	rBV	2398234	2066931	26.48%	2.960%
22	11.516	1567	1569	1572	rVV	1974867	1476960	18.92%	2.115%
23	11.568	1574	1578	1580	rVB	488232	455752	5.84%	0.653%
24	11.721	1599	1604	1609	rBV2	138234	182724	2.34%	0.262%
25	12.004	1647	1652	1653	rBV2	380680	501441	6.42%	0.718%
26	12.021	1653	1655	1659	rVB	391669	312502	4.00%	0.447%
27	12.068	1660	1663	1666	rBV	167232	136630	1.75%	0.196%
28	12.110	1666	1670	1672	rBV2	454434	506517	6.49%	0.725%
29	12.174	1679	1681	1684	rBV2	86225	89024	1.14%	0.127%
30	12.292	1698	1701	1703	rBV	193619	183623	2.35%	0.263%
31	12.315	1703	1705	1708	rVB2	143615	118921	1.52%	0.170%
32	12.545	1741	1744	1746	rBV	195820	188338	2.41%	0.270%
33	12.633	1756	1759	1763	rBV2	198188	216314	2.77%	0.310%
34	12.710	1768	1772	1776	rBV	3483657	2968481	38.03%	4.251%
35	12.792	1784	1786	1791	rVB2	169772	196222	2.51%	0.281%
36	12.939	1805	1811	1814	rBV	2839461	3122134	40.00%	4.471%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

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-BF062922.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.986	1814	1819	1824	rVB3	319654	663605	8.50%	0.950%
38	13.080	1831	1835	1838	rBV	7469540	6534173	83.72%	9.356%
39	13.157	1844	1848	1852	rBV2	197531	353281	4.53%	0.506%
40	13.245	1860	1863	1864	rBV3	143131	158277	2.03%	0.227%
41	13.268	1864	1867	1870	rVB	519640	465218	5.96%	0.666%
42	13.333	1875	1878	1881	rBV	333058	300525	3.85%	0.430%
43	13.374	1881	1885	1887	rBV2	293183	312797	4.01%	0.448%
44	13.468	1898	1901	1903	rBV	150192	138014	1.77%	0.198%
45	13.498	1904	1906	1909	rVV	139026	129679	1.66%	0.186%
46	13.921	1975	1978	1980	rBV	231803	175083	2.24%	0.251%
47	13.945	1980	1982	1985	rBV2	180584	236183	3.03%	0.338%
48	14.139	2011	2015	2018	rBV2	2411300	3366098	43.13%	4.820%
49	14.168	2018	2020	2026	rVB	1414622	1257686	16.11%	1.801%
50	14.239	2029	2032	2037	rVB2	389930	511683	6.56%	0.733%
51	15.215	2194	2198	2201	rBV	1029057	1550800	19.87%	2.221%
52	15.539	2250	2253	2258	rVB	584631	733758	9.40%	1.051%
53	15.604	2260	2264	2270	rBV	853430	1045109	13.39%	1.497%
54	15.674	2272	2276	2279	rBV	1034654	1351683	17.32%	1.936%

Sum of corrected areas: 69835868

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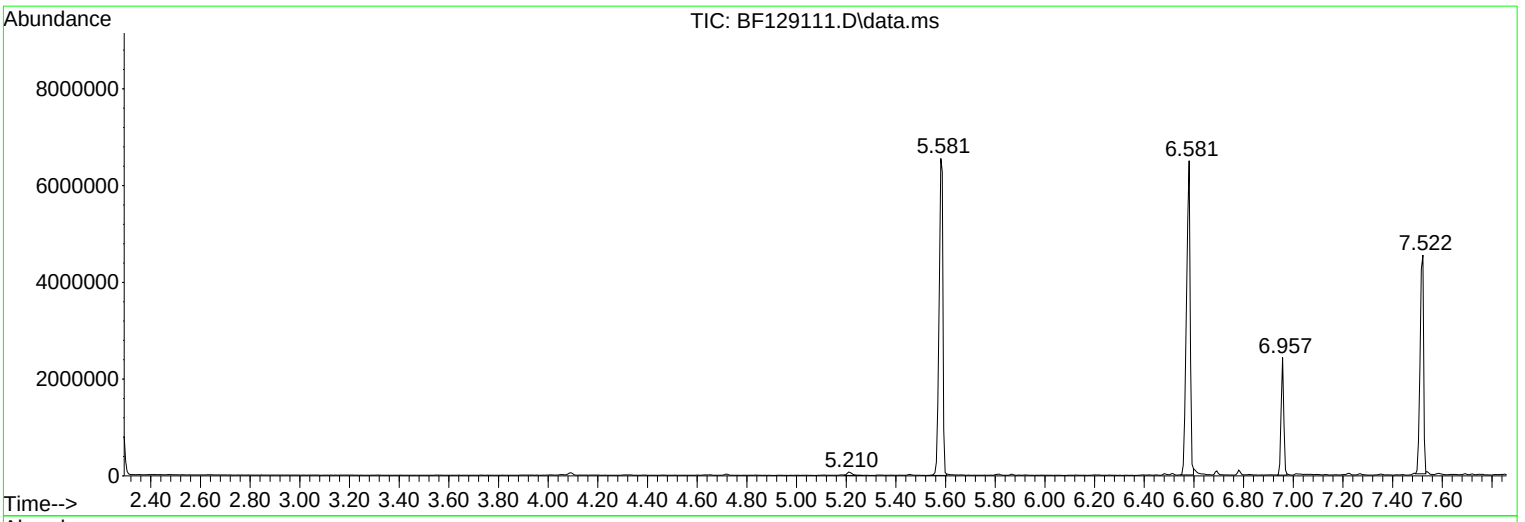
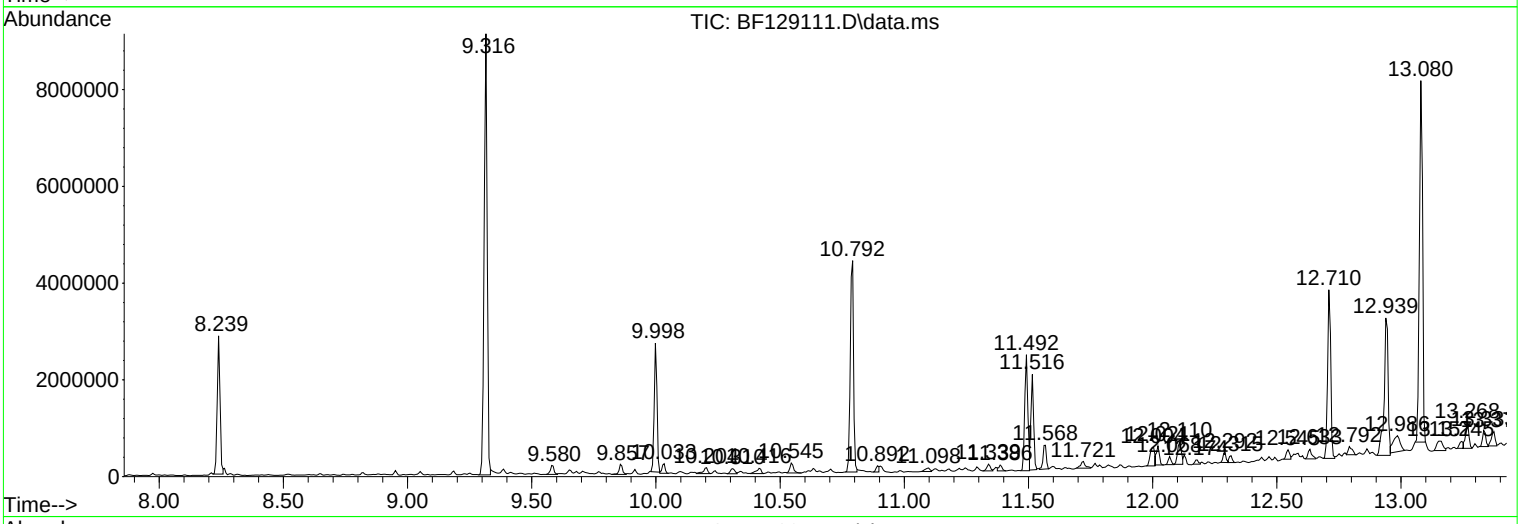
Misc :
ALS Vial : 21 Sample Multiplier: 1

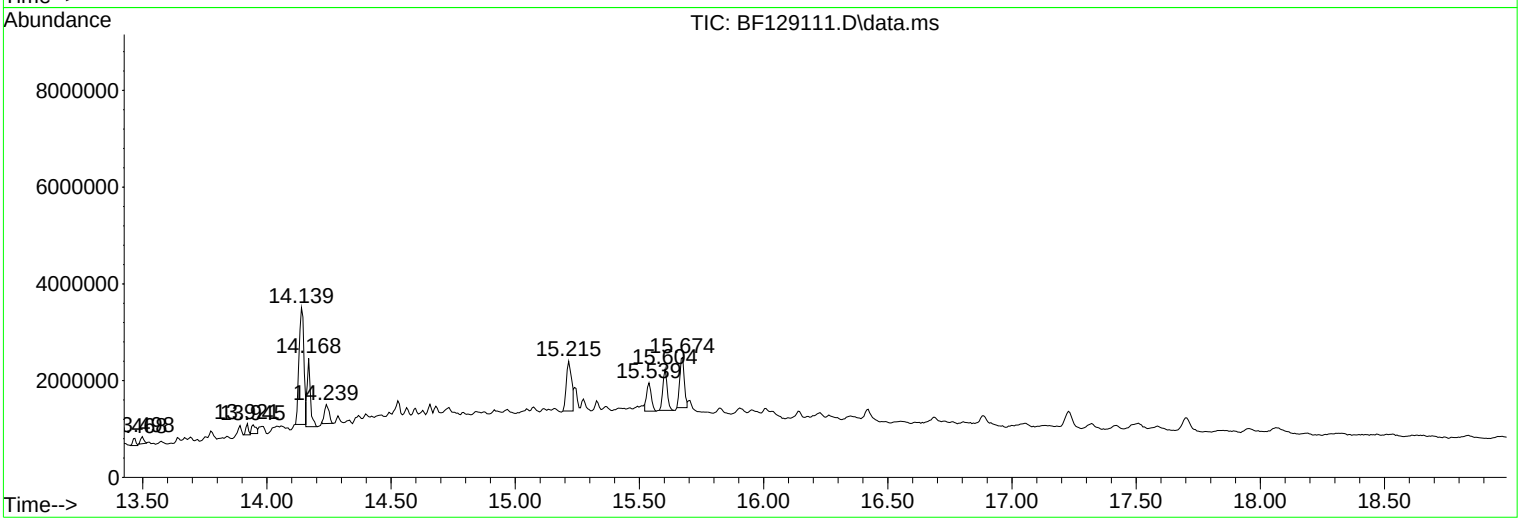
Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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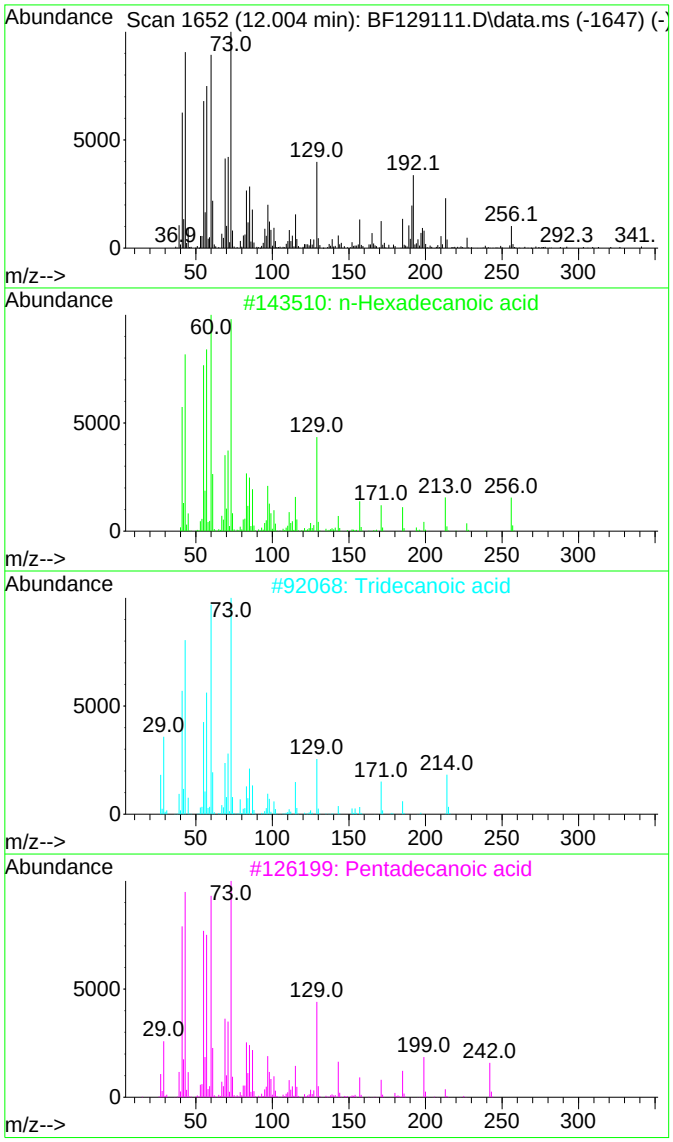
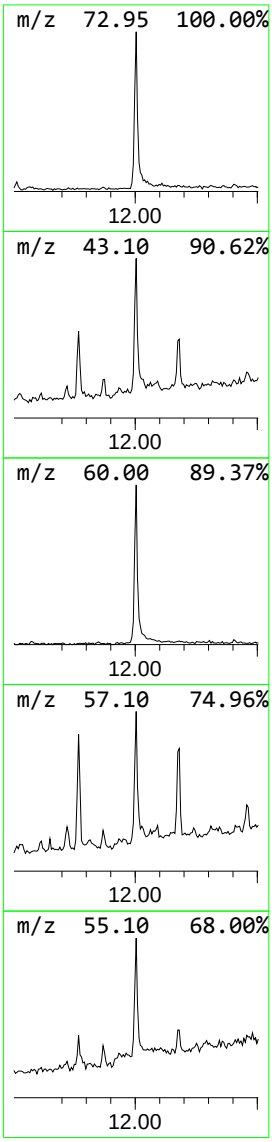
Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	4.85 ng	501441	Phenanthrene-d10	11.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4	Octadecanoic acid	284	C18H36O2	000057-11-4	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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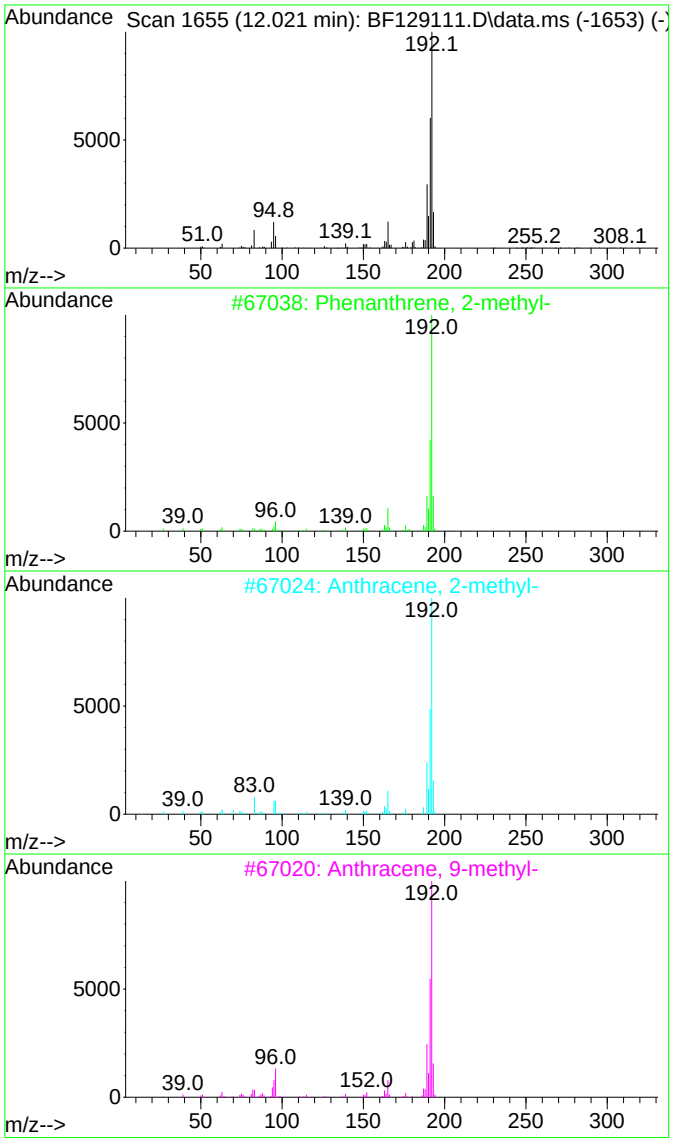
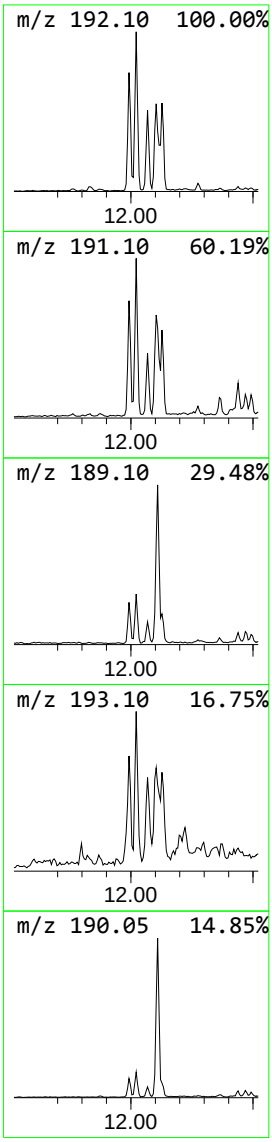
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.021	3.02 ng	312502	Phenanthrene-d10	11.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

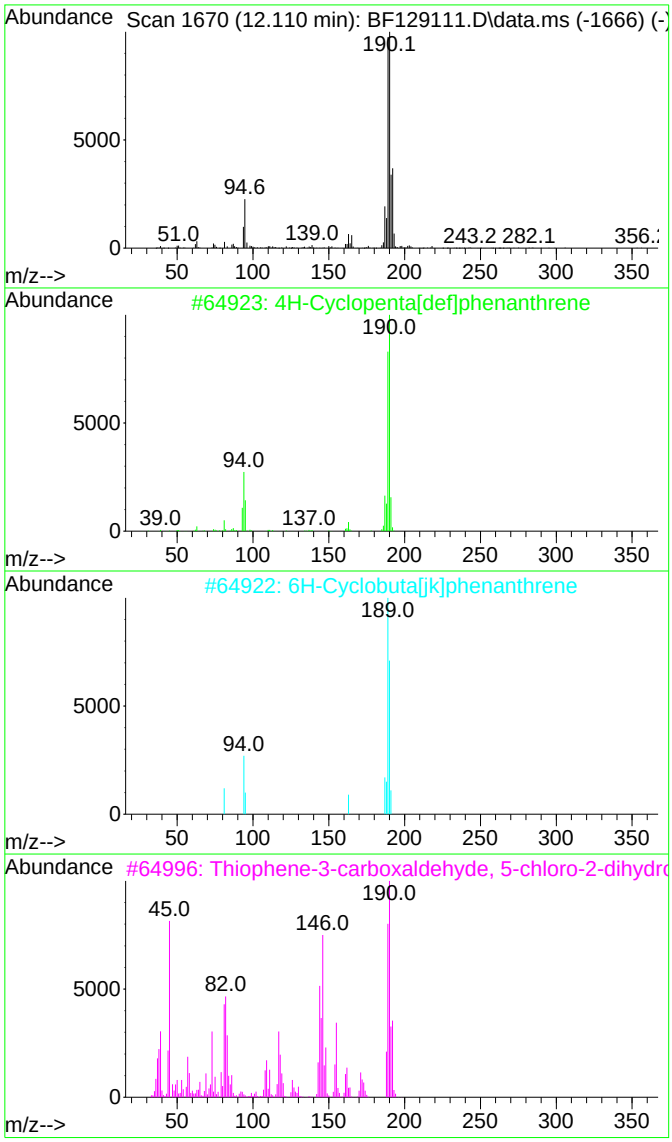
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

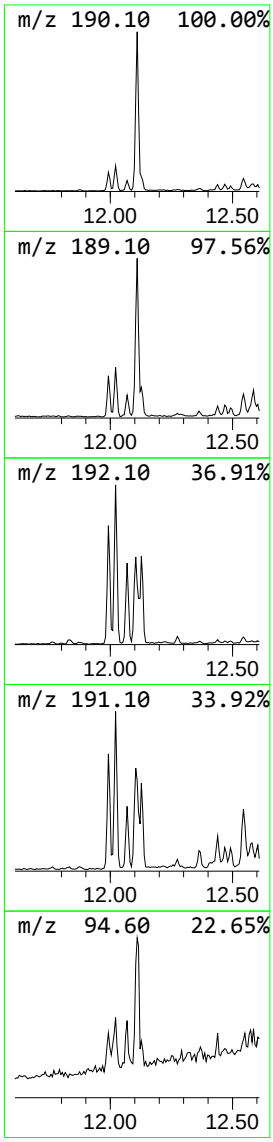
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	4.90 ng	506517	Phenanthrene-d10	11.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
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Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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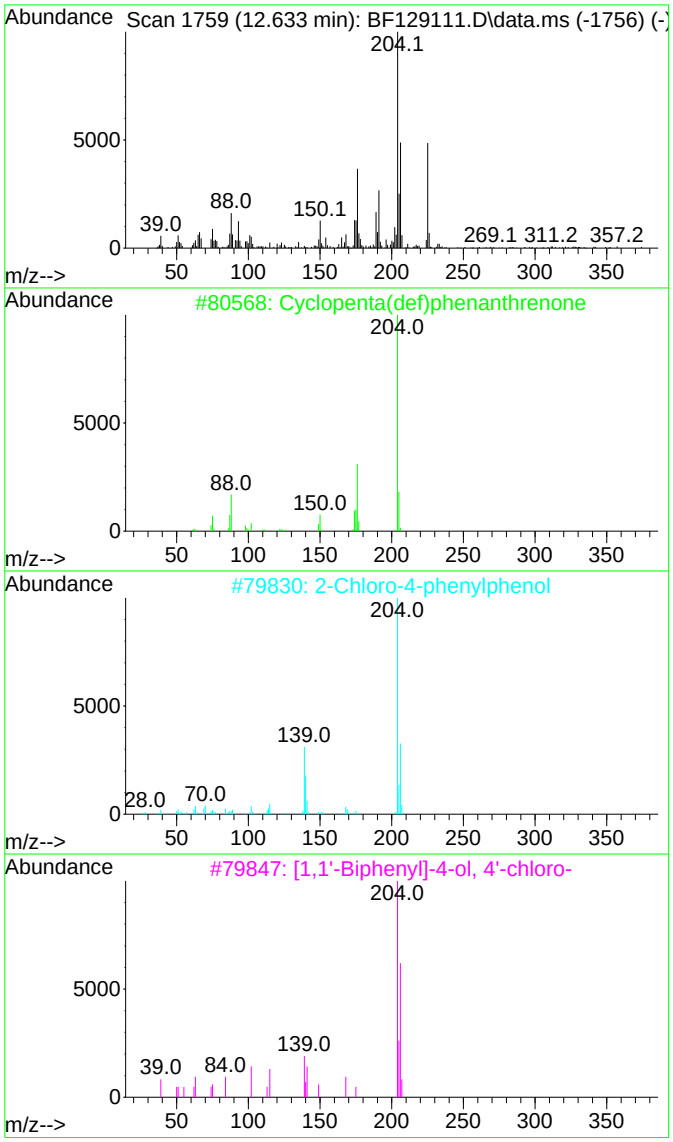
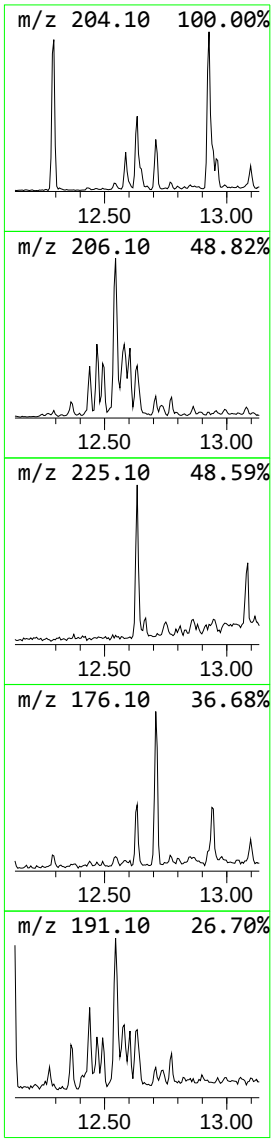
Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	2.09 ng	216314	Phenanthrene-d10	11.492

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	38
5	2,4-Dichloro-3-ethyl-5-methylphe...	246	C11H12Cl2O2	1000467-41-1	37





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Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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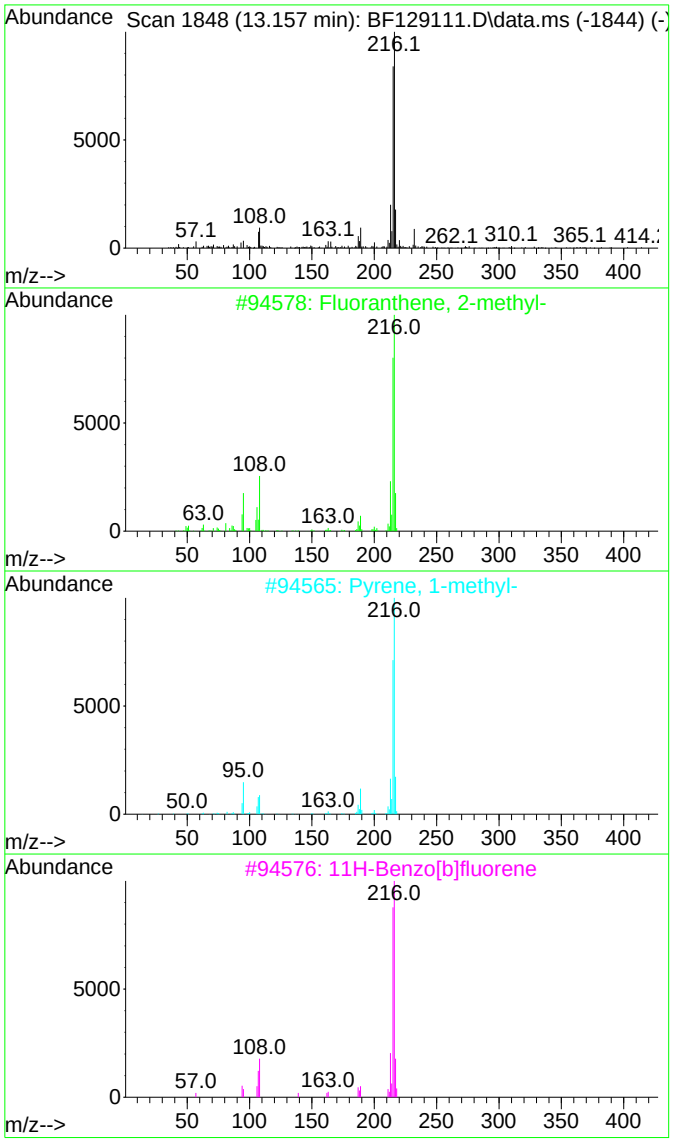
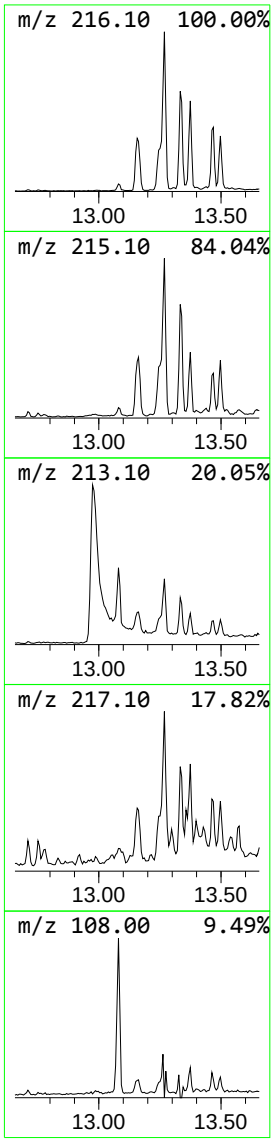
Peak Number 5 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.157	2.10 ng	353281	Chrysene-d12	14.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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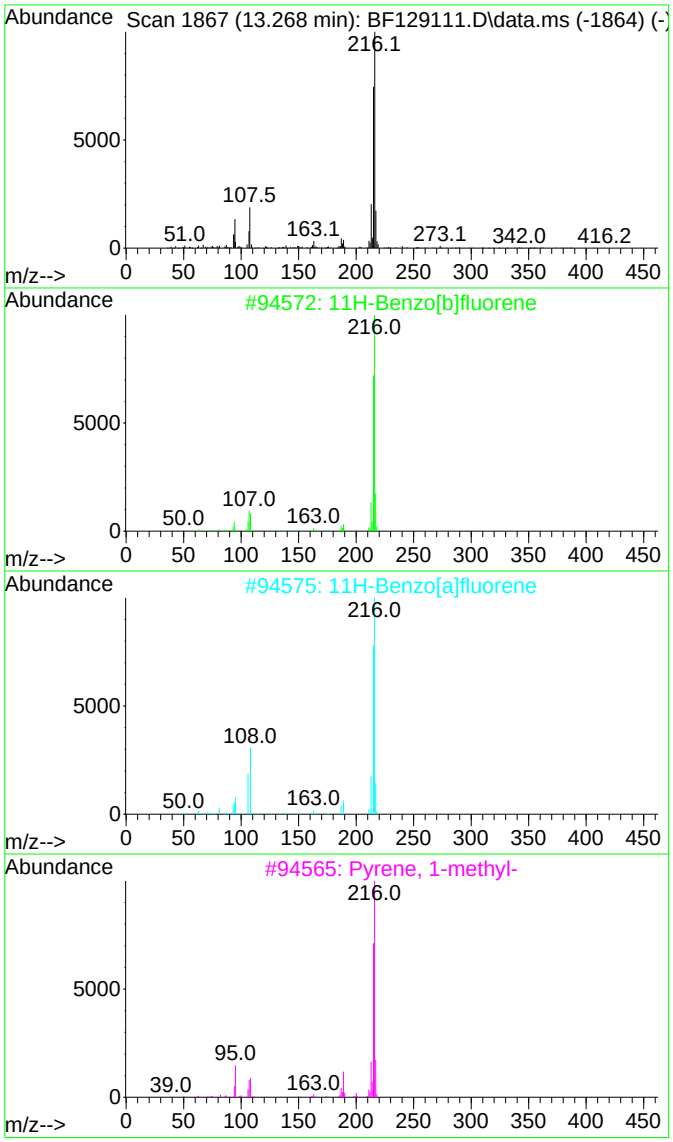
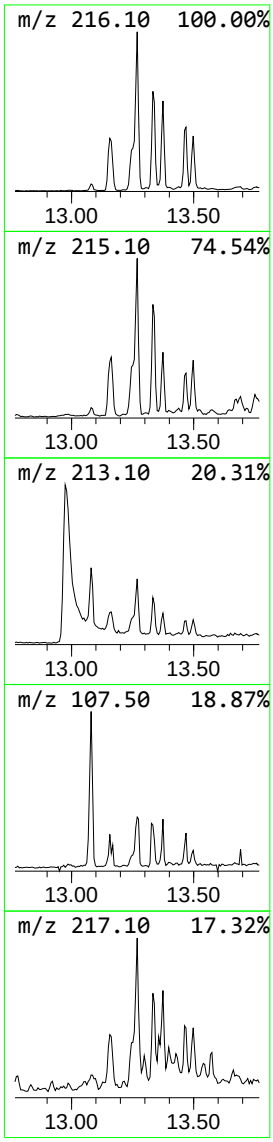
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.268	2.76 ng	465218	Chrysene-d12	14.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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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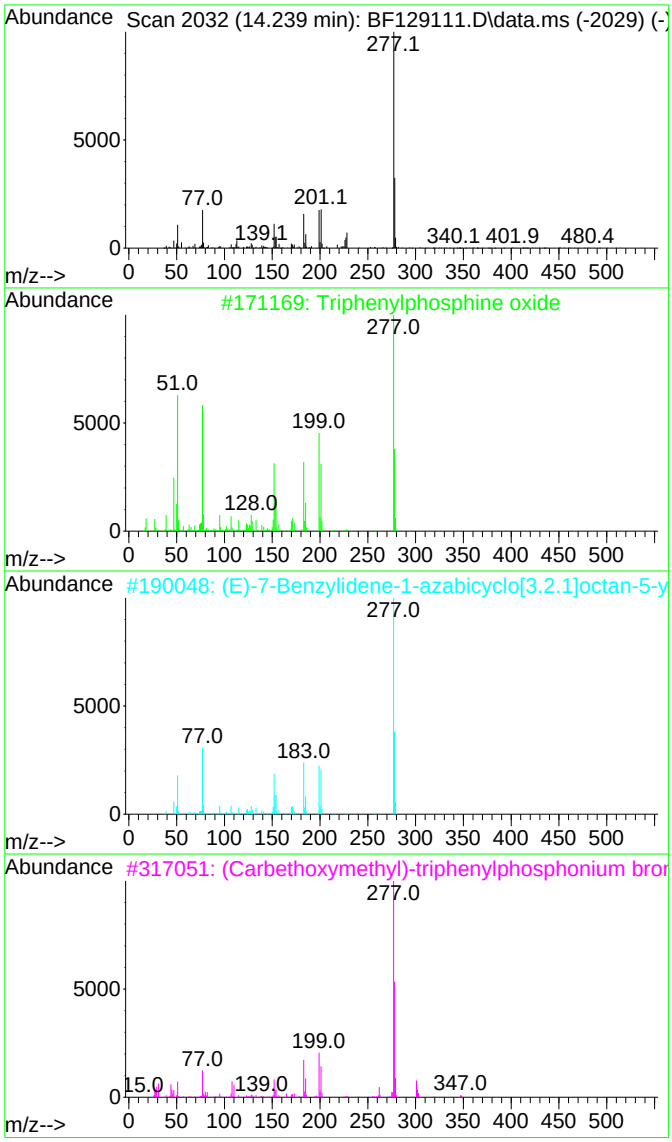
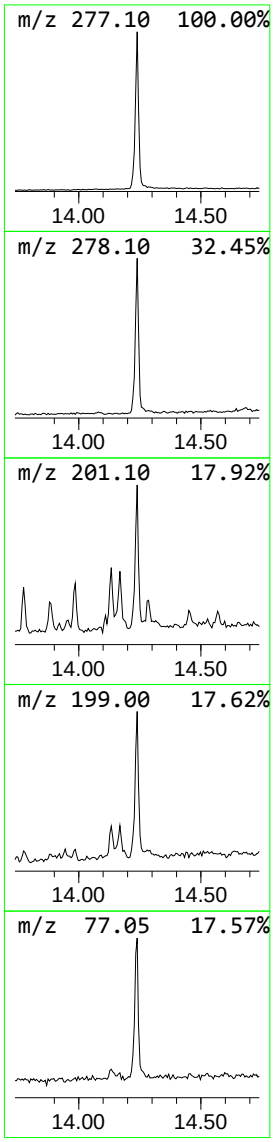
Peak Number 7 Triphenylphosphine oxide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.239	3.04 ng	511683	Chrysene-d12	14.145

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	95
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	90
3	(Carbethoxymethyl)-triphenylphos...	428	C22H22BrO2P	001530-45-6	40
4	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	38
5	5-Methyl-8-phenylfuro[3',2':5,6]...	277	C16H11N3O2	1000460-07-9	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

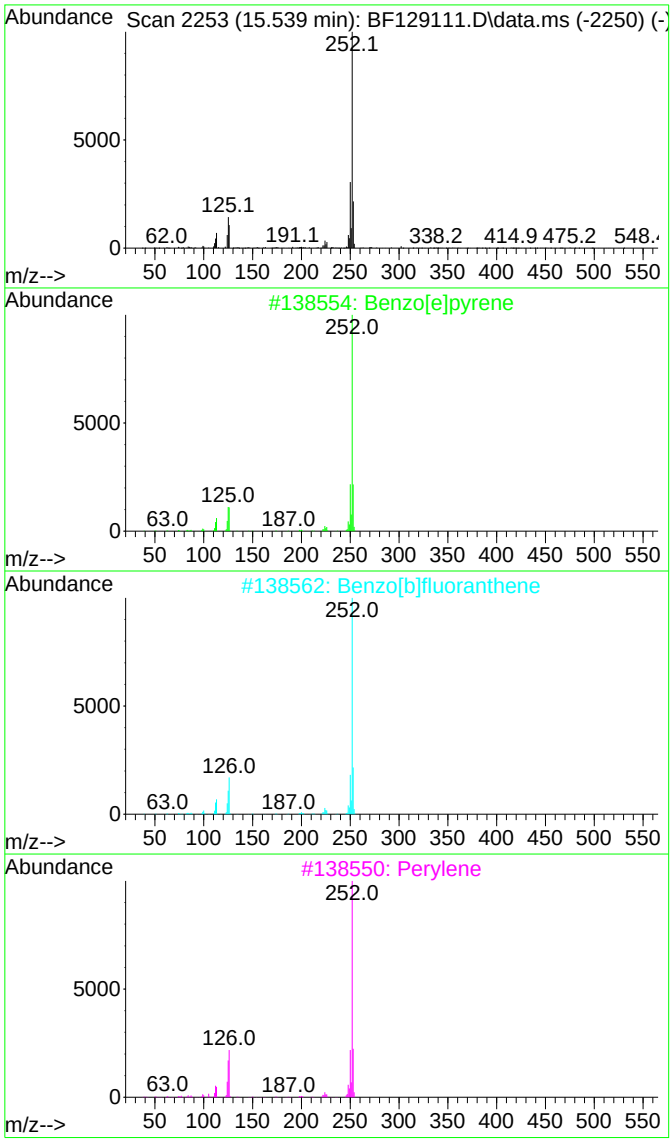
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

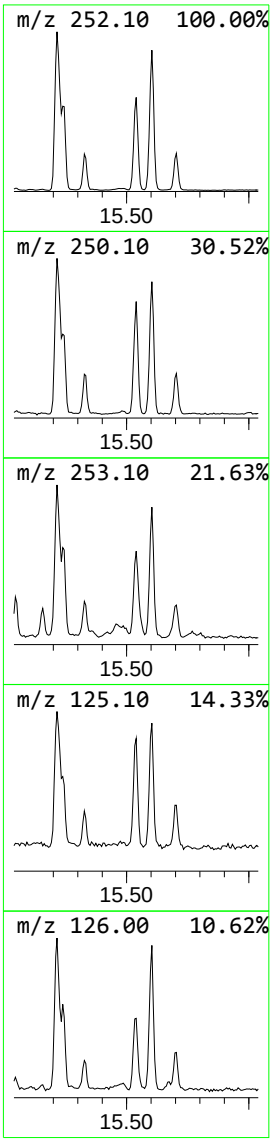
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.539	10.86 ng	733758	Perylene-d12	15.668

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129111.D
Acq On : 02 Jul 2022 01:00
Operator : CG\JU
Sample : N3562-12
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-12B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.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
n-Hexadecanoic ...	12.004	4.8	ng	501441	4	11.492	2066930	20.0
Phenanthrene, 2...	12.021	3.0	ng	312502	4	11.492	2066930	20.0
4H-Cyclopenta[d...	12.110	4.9	ng	506517	4	11.492	2066930	20.0
Cyclopenta(def)...	12.633	2.1	ng	216314	4	11.492	2066930	20.0
Fluoranthene, 2...	13.157	2.1	ng	353281	5	14.145	3366100	20.0
11H-Benzo[b]flu...	13.268	2.8	ng	465218	5	14.145	3366100	20.0
Triphenylphosph...	14.239	3.0	ng	511683	5	14.145	3366100	20.0
Benzo[e]pyrene	15.539	10.9	ng	733758	6	15.668	1351680	20.0