LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129826.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.063	470	472	482	rBV	67758	100671	2.07%	0.285%
2	5.463	536	540	558	rBV	3946823	4121394	84.65%	11.676%
3	6.481	708	713	726	rBV	3905668	4193958	86.14%	11.881%
4	6.822	767	771	776	rBV	950099	882011	18.11%	2.499%
5	7.393	862	868	871	rBV	2671332	2752564	56.53%	7.798%
6	8.104	984	989	992	rBV	1291870	1185254	24.34%	3.358%
7	9.181	1166	1172	1175	rBV	4934778	4869000	100.00%	13.794%
8	9.722	1260	1264	1269	rVB	56372	50258	1.03%	0.142%
9	9.857	1281	1287	1291	rBV	1560809	1300265	26.70%	3.684%
10	10.239	1348	1352	1354	rBV	64539	55805	1.15%	0.158%
11	10.404	1377	1380	1386	rVB2	47302	49557	1.02%	0.140%
12	10.657	1418	1423	1426	rBV	2848762	2813141	57.78%	7.970%
13	11.157	1505	1508	1512	rBV	74660	64653	1.33%	0.183%
14	11.245	1520	1523	1527	rVB	56948	50345	1.03%	0.143%
15	11.345	1537	1540	1543	rBV	1210301	1215144	24.96%	3.443%
16	11.375	1543	1545	1548	rVV	868808	712983	14.64%	2.020%
17	11.422	1548	1553	1556	rVB	51944	70858	1.46%	0.201%
18	11.586	1575	1581	1585	rBV2	90716	107131	2.20%	0.304%
19	11.851	1622	1626	1628	rBV	133349	129990	2.67%	0.368%
20	11.880	1628	1631	1634	rVB	180929	161542	3.32%	0.458%
21	11.963	1641	1645	1647	rBV2	135228	149581	3.07%	0.424%
22	11.986	1647	1649	1653	rVB	100379	79716	1.64%	0.226%
23	12.145	1674	1676	1679	rVB	83227	62865	1.29%	0.178%
24	12.180	1679	1682	1685	rBV	151442	131849	2.71%	0.374%
25	12.280	1695	1699	1704	rBV2	89202	111798	2.30%	0.317%
26	12.398	1716	1719	1722	rBV	78340	85549	1.76%	0.242%
27	12.492	1732	1735	1738	rBV2	85409	96643	1.98%	0.274%
28	12.563	1744	1747	1751	rBV	924805	845047	17.36%	2.394%
29	12.716	1768	1773	1776	rBV2	47765	73619	1.51%	0.209%
30	12.798	1780	1787	1792	rVV	757915	833351	17.12%	2.361%
31	12.845	1792	1795	1799	rVB2	69305	71142	1.46%	0.202%
32	12.933	1805	1810	1813	rBV	3868546	3242305	66.59%	9.185%
33	13.010	1819	1823	1827	rBV3	53630	95754	1.97%	0.271%
34	13.069	1830	1833	1835	rVB	90539	69563	1.43%	0.197%
35	13.104	1835	1839	1841	rBV5	48408	71028	1.46%	0.201%
36	13.227	1855	1860	1864	rVB2	66802	86021	1.77%	0.244%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	13.427	1891	1894	1898	rVB	120996	114628	2.35%	0.325%
38	13.639	1927	1930	1934	rVB	104944	90430	1.86%	0.256%
39	13.745	1943	1948	1950	rBV	87724	89441	1.84%	0.253%
40	13.816	1958	1960	1963	rVB2	55094	49238	1.01%	0.139%
41	13.851	1963	1966	1968	rBV	94469	101224	2.08%	0.287%
42	13.998	1986	1991	1993	rBV2	854289	950885	19.53%	2.694%
43	14.021	1993	1995	1998	rVB	320580	271829	5.58%	0.770%
44	14.386	2052	2057	2060	rVB	50357	61939	1.27%	0.175%
45	14.886	2138	2142	2148	rBV2	85353	106463	2.19%	0.302%
46	15.039	2164	2168	2171	rBV	326184	476516	9.79%	1.350%
47	15.151	2183	2187	2190	rBV	53789	65394	1.34%	0.185%
48	15.339	2215	2219	2225	rVB	203489	259345	5.33%	0.735%
49	15.404	2226	2230	2234	rBV	250397	308864	6.34%	0.875%
50	15.468	2236	2241	2245	rBV	635811	785413	16.13%	2.225%
51	16.945	2485	2492	2500	rVB	171547	336075	6.90%	0.952%
52	17.392	2563	2568	2578	rVB	117245	238214	4.89%	0.675%

Sum of corrected areas: 35298253

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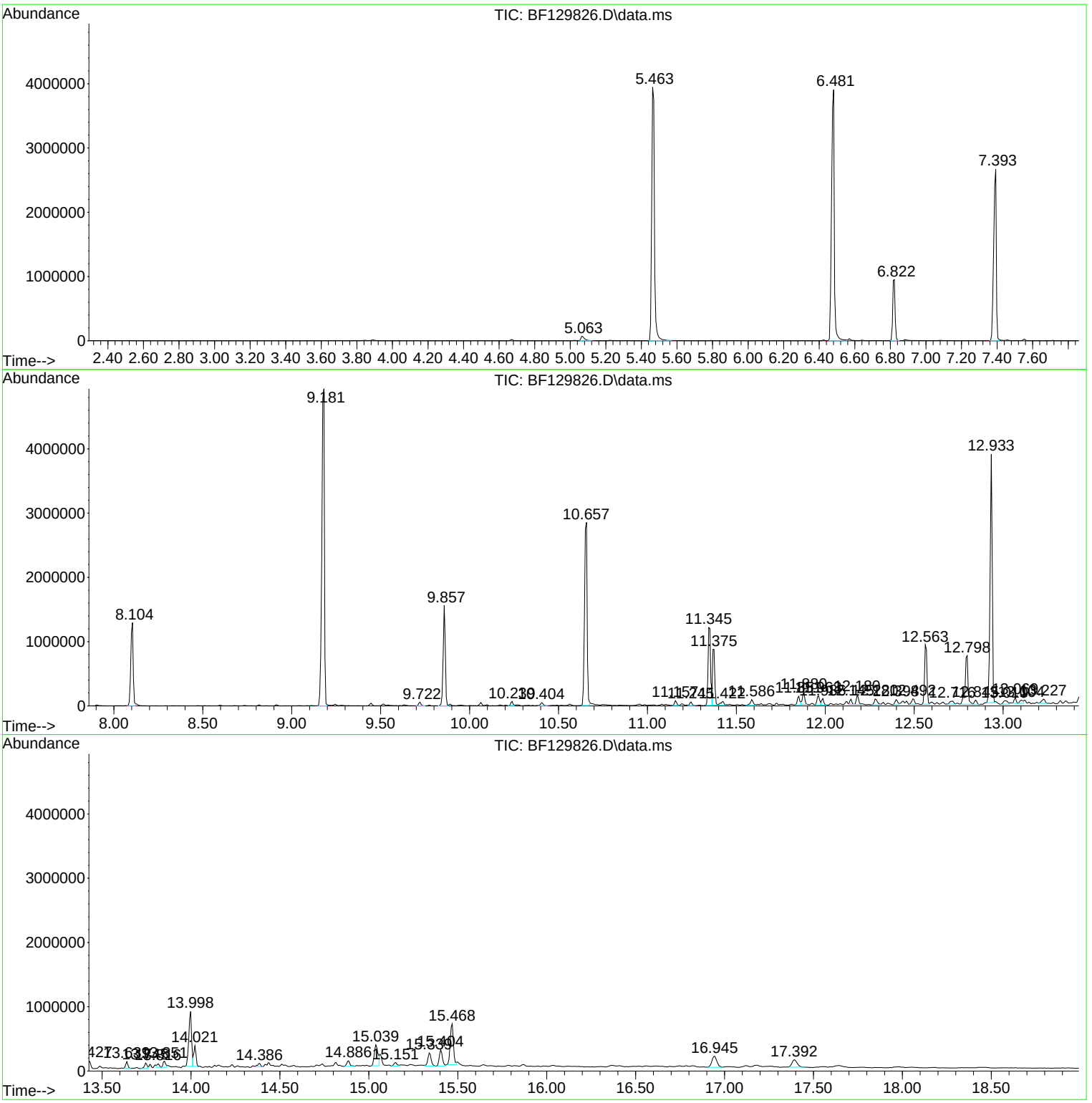
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

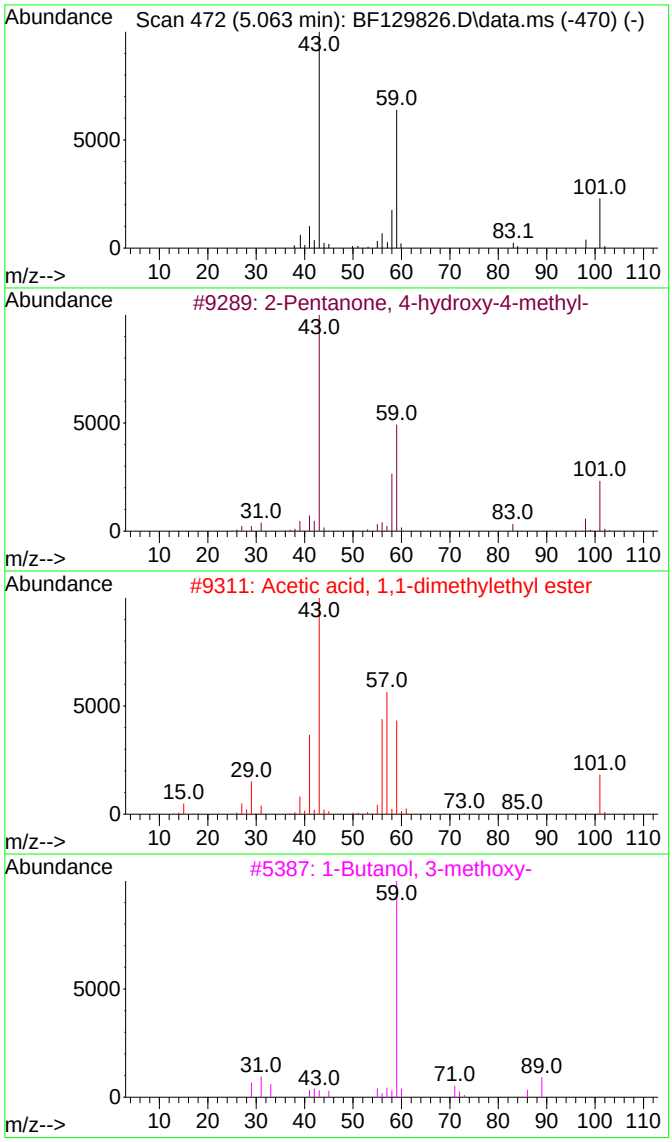
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

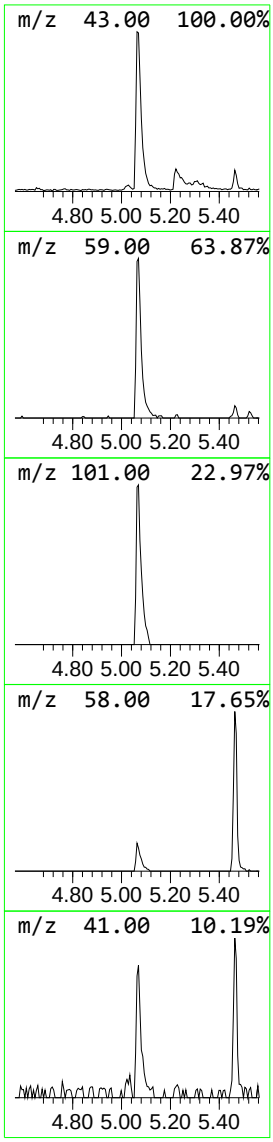
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.063	2.28 ng	100671	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	50
3	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	16
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

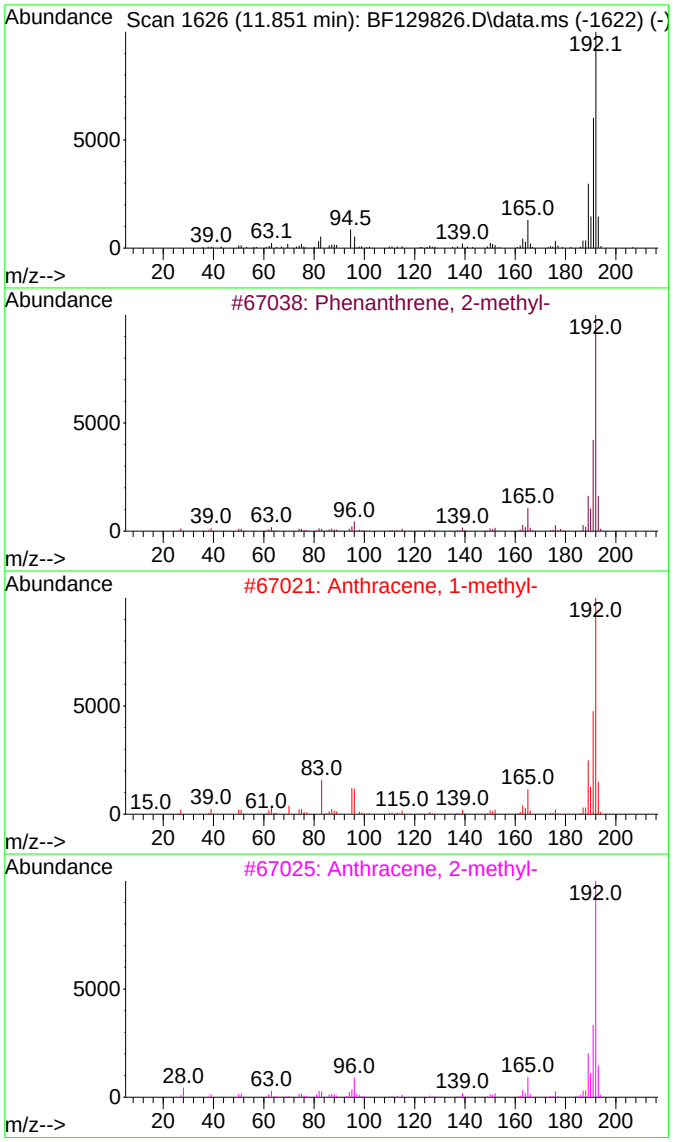
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

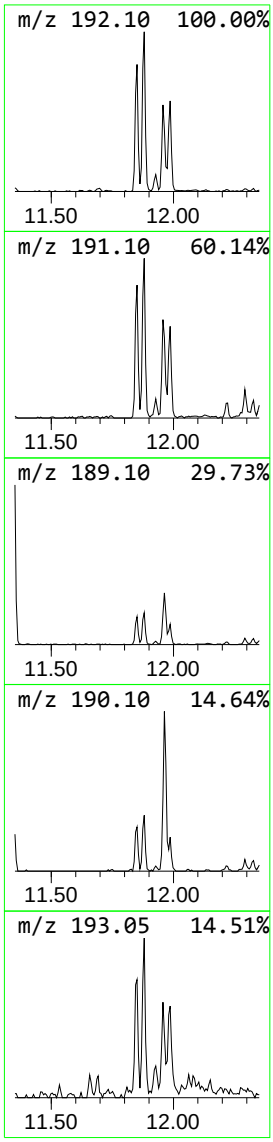
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	2.14 ng	129990	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

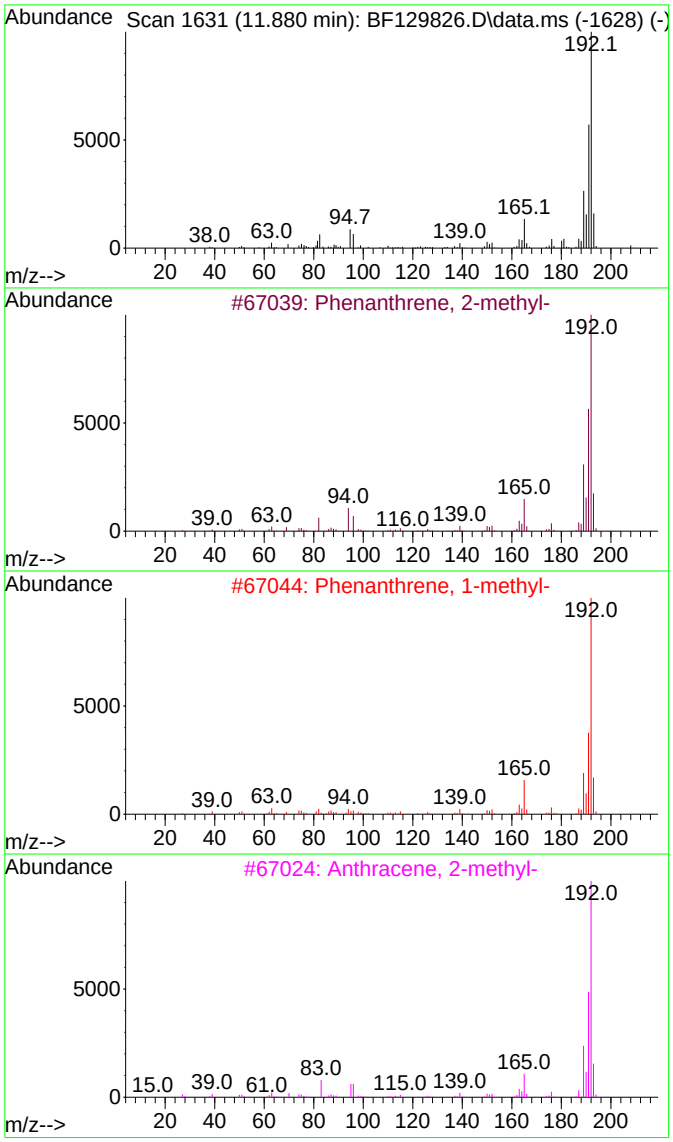
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

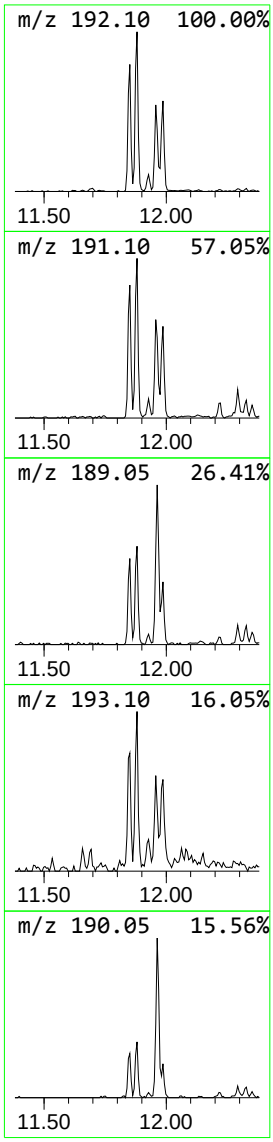
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.881	2.66 ng	161542	Phenanthrene-d10	11.351

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

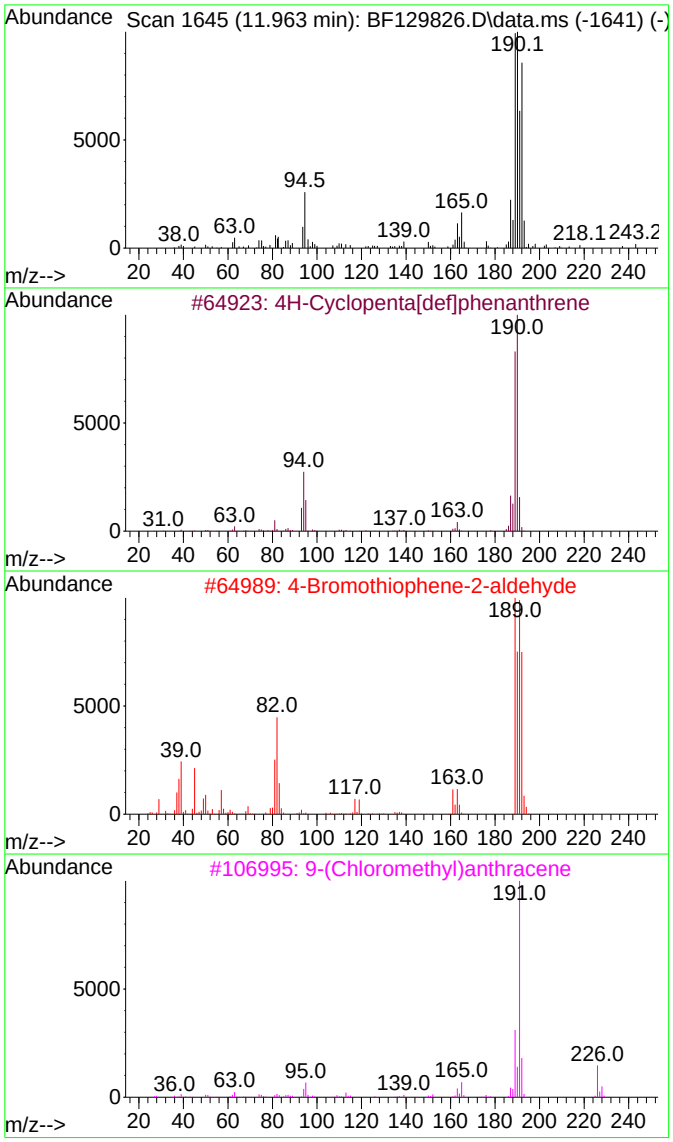
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

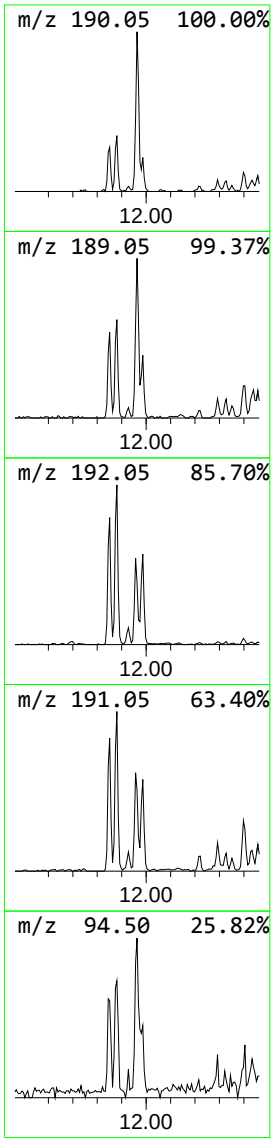
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	2.46 ng	149581	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	9-(Chloromethyl)anthracene	226	C15H11Cl	024463-19-2	43
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

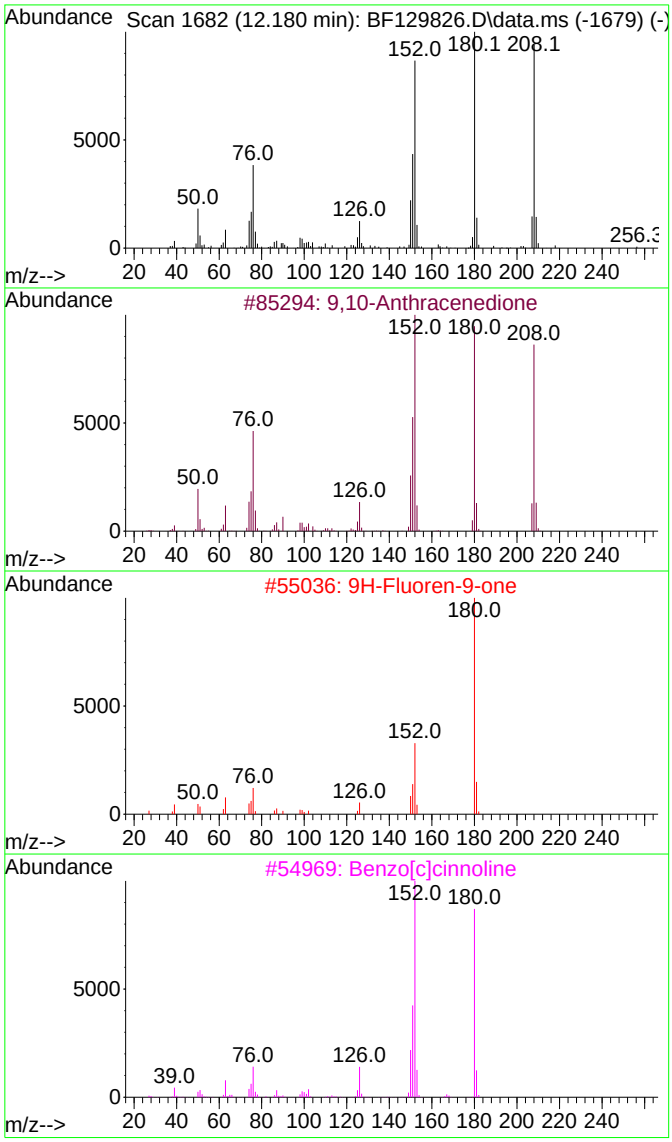
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

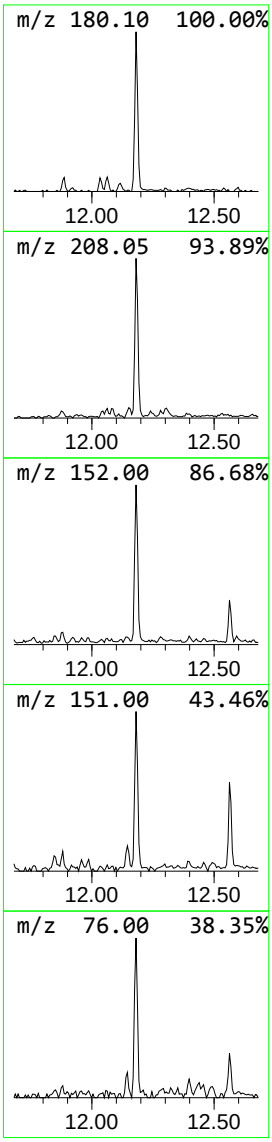
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.180	2.17 ng	131849	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

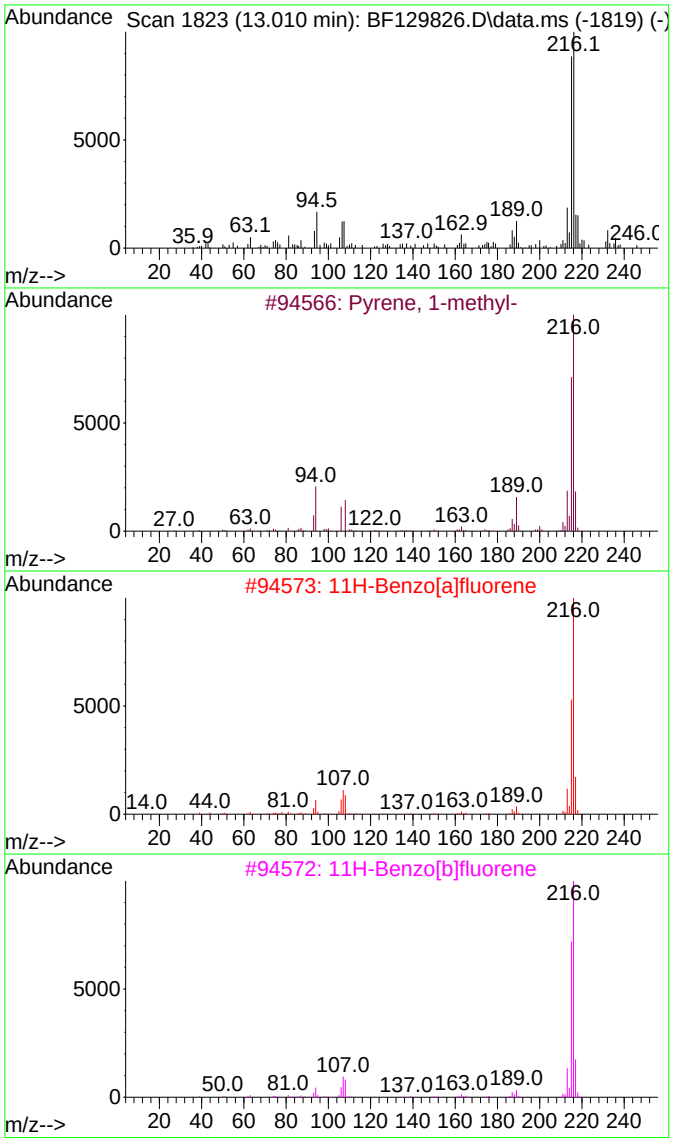
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

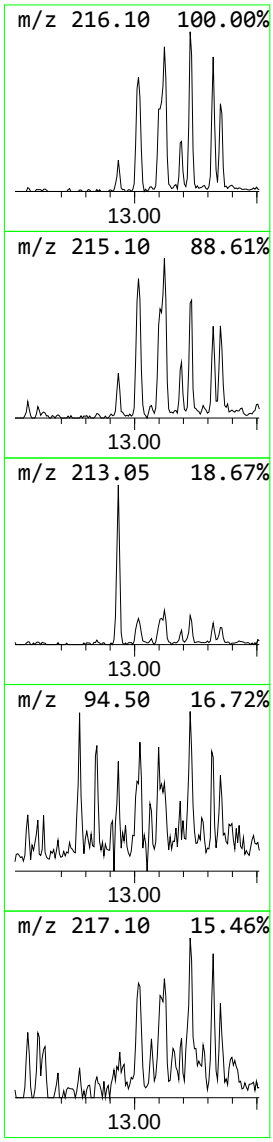
****

Peak Number 6 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	2.01 ng	95754	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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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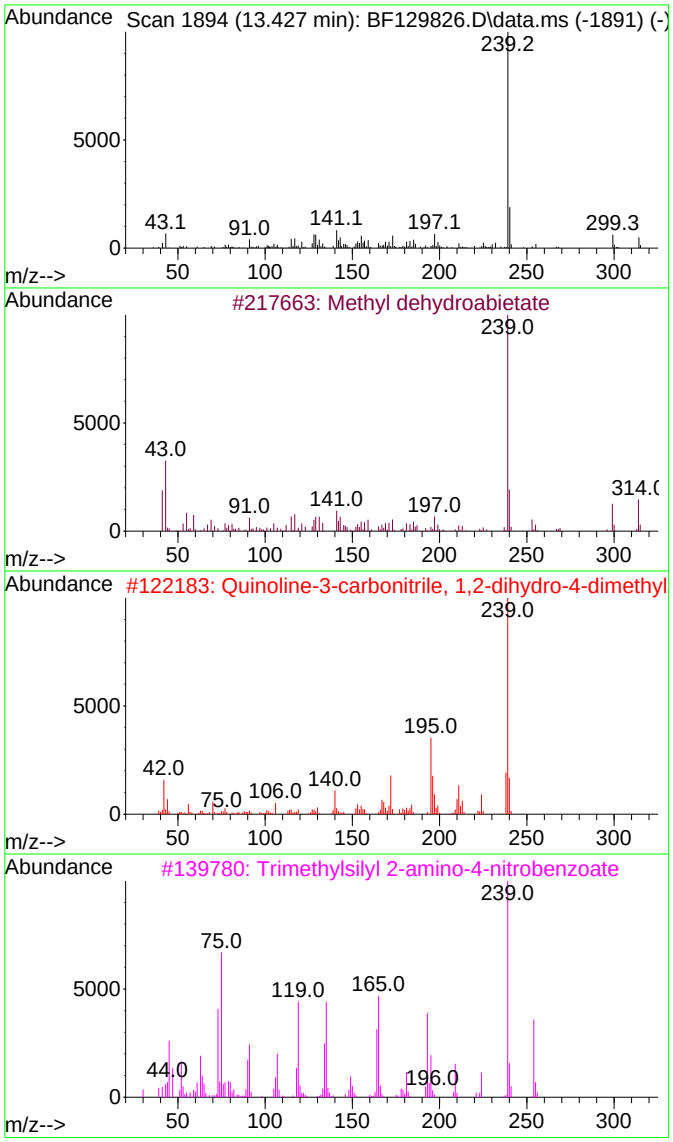
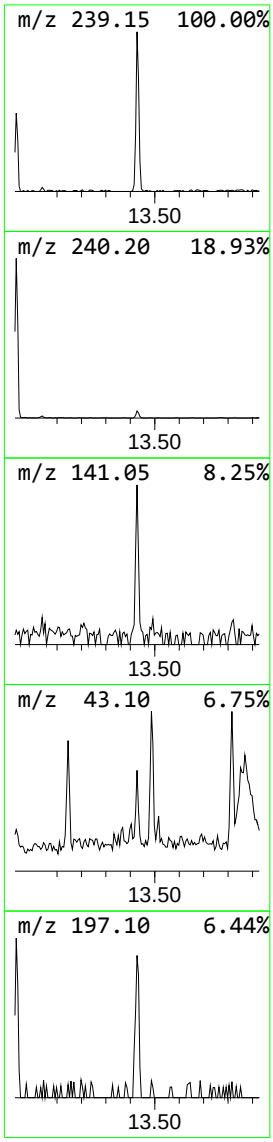
Peak Number 7 Methyl dehydroabietate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.427	2.41 ng	114628	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	93
2	Quinoline-3-carbonitrile, 1,2-di...	239	C14H13N3O	209617-30-1	64
3	Trimethylsilyl 2-amino-4-nitrobe...	254	C10H14N2O4Si	1000473-63-5	59
4	6-Methyl-11,12-dioxatricyclo[7.2...	410	C20H26O7S	1000196-05-6	59
5	9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

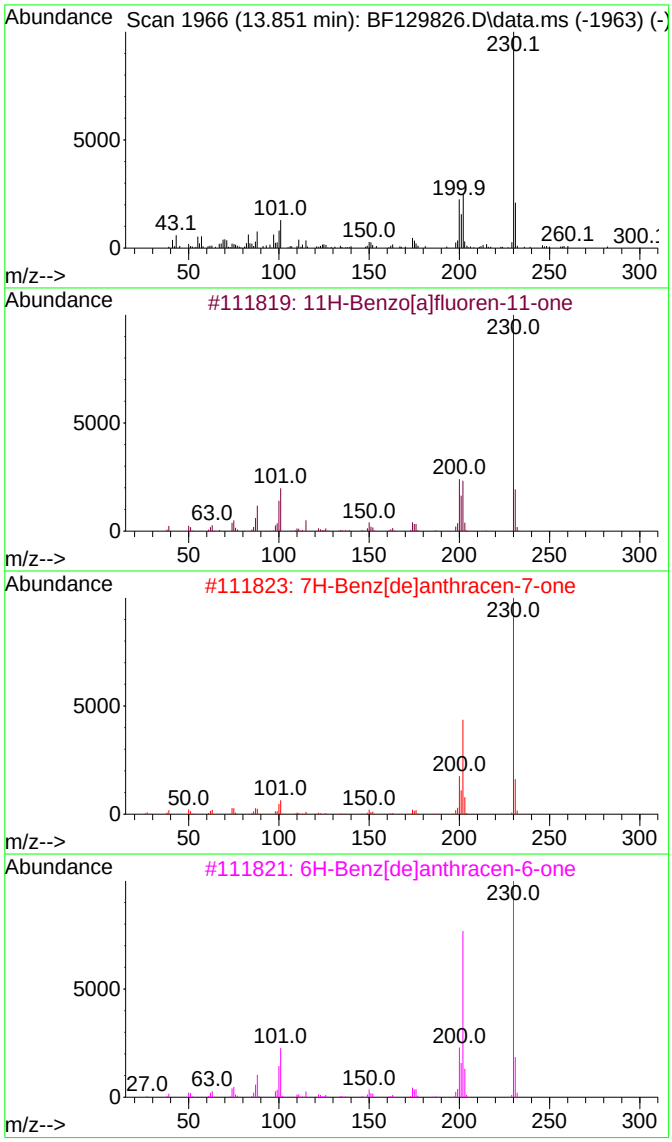
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

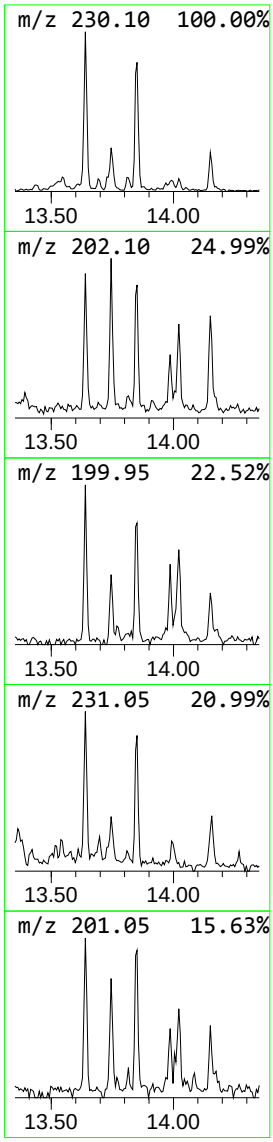
****

Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	2.13 ng	101224	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	m-Terphenyl	230	C18H14	000092-06-8	50
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	50





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Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

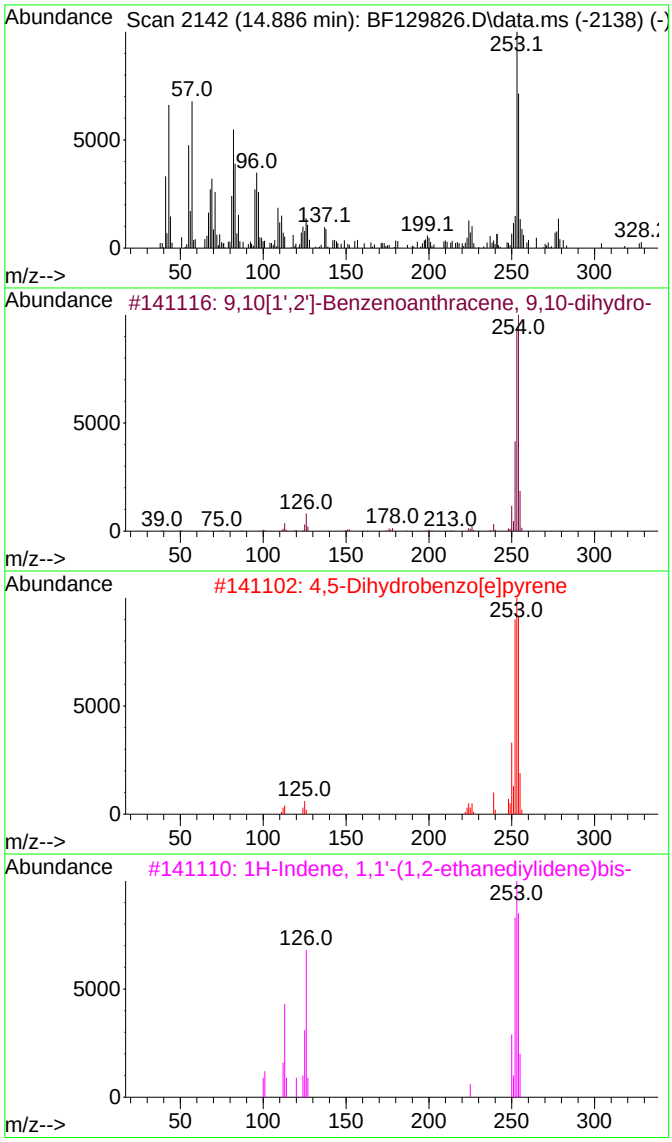
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

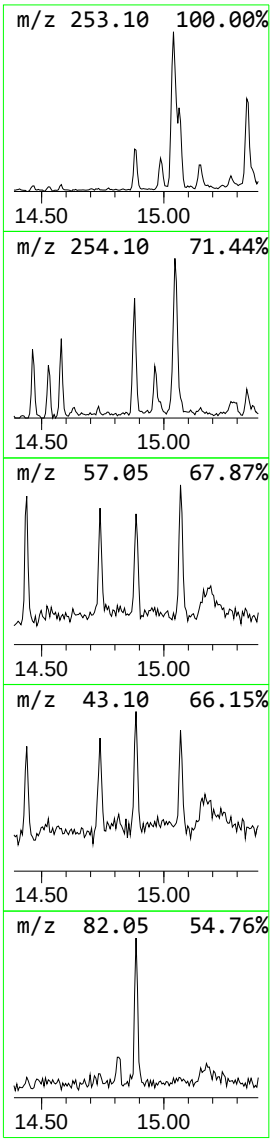
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 9,10[1',2']-Benzenoanthrace... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.886	2.71 ng	106463	Perylene-d12	15.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	81
2	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	80
3	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	72
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	46
5	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

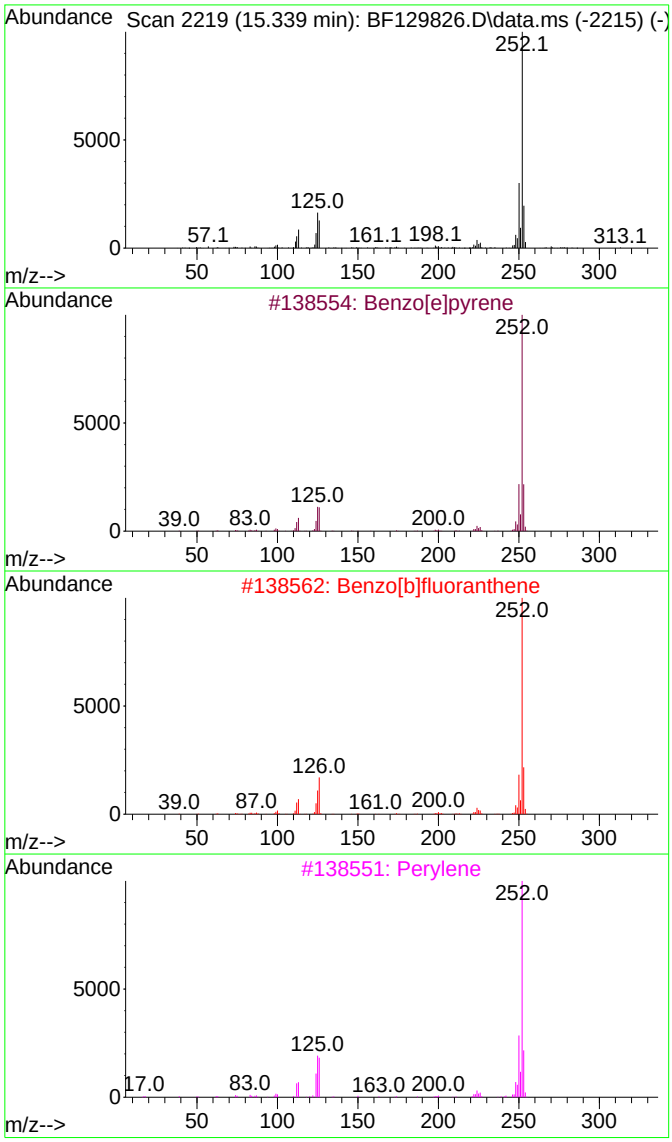
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

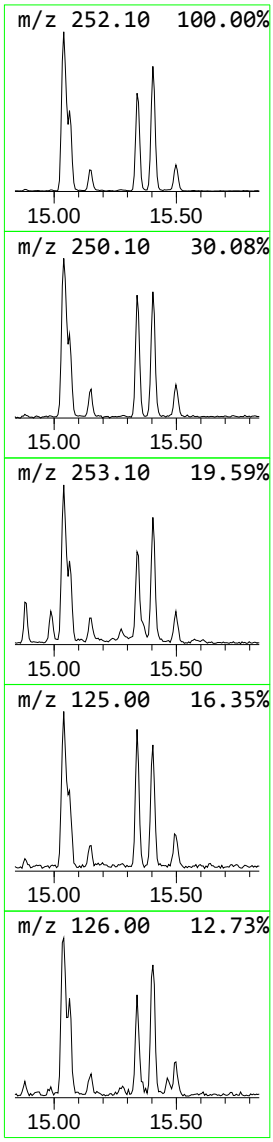
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	6.60 ng	259345	Perylene-d12	15.469

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
Data File : BF129826.D
Acq On : 16 Aug 2022 23:28
Operator : CG\JU
Sample : N4188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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
2-Pentanone, 4-...	5.063	2.3	ng	100671	1	6.822	882011	20.0
Phenanthrene, 2...	11.851	2.1	ng	129990	4	11.351	1215140	20.0
Phenanthrene, 1...	11.881	2.7	ng	161542	4	11.351	1215140	20.0
4H-Cyclopenta[d...	11.963	2.5	ng	149581	4	11.351	1215140	20.0
9,10-Anthracene...	12.180	2.2	ng	131849	4	11.351	1215140	20.0
Pyrene, 1-methyl-	13.010	2.0	ng	95754	5	13.998	950885	20.0
Methyl dehydroa...	13.427	2.4	ng	114628	5	13.998	950885	20.0
11H-Benzo[a]flu...	13.851	2.1	ng	101224	5	13.998	950885	20.0
9,10[1',2']-Ben...	14.886	2.7	ng	106463	6	15.469	785413	20.0
Benzo[e]pyrene	15.339	6.6	ng	259345	6	15.469	785413	20.0