LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11935

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134697.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.199	15	19	27	rVB	50044	64176	1.83%	0.183%
2	5.034	498	501	513	rVB	152872	187127	5.32%	0.534%
3	5.434	564	569	572	rBV	3333098	3181755	90.48%	9.074%
4	6.434	734	739	742	rBV	3076621	3175726	90.31%	9.057%
5	6.628	769	772	777	rBV	38909	40184	1.14%	0.115%
6	6.799	798	801	805	rVB	1279708	1089930	31.00%	3.108%
7	7.363	892	897	900	rBV	2204530	2033963	57.84%	5.800%
8	8.081	1014	1019	1022	rBV	1664547	1453748	41.34%	4.146%
9	9.157	1197	1202	1205	rBV	4152920	3516455	100.00%	10.028%
10	9.693	1288	1293	1298	rVB	49167	57456	1.63%	0.164%
11	9.834	1311	1317	1320	rBV	1756413	1475434	41.96%	4.208%
12	9.869	1320	1323	1326	rVB	188904	169985	4.83%	0.485%
13	10.040	1346	1352	1356	rBV	101634	93248	2.65%	0.266%
14	10.381	1407	1410	1417	rBV	159461	142351	4.05%	0.406%
15	10.540	1435	1437	1441	rVB	46206	40733	1.16%	0.116%
16	10.622	1447	1451	1455	rBV	1919056	1850108	52.61%	5.276%
17	10.751	1469	1473	1480	rVB3	60380	71038	2.02%	0.203%
18	10.934	1497	1504	1506	rBV4	47660	71892	2.04%	0.205%
19	11.128	1534	1537	1541	rVB	72662	65127	1.85%	0.186%
20	11.222	1550	1553	1558	rVB	66154	65194	1.85%	0.186%
21	11.322	1567	1570	1573	rBV	1293525	1291267	36.72%	3.682%
22	11.345	1573	1574	1578	rVV	972470	754141	21.45%	2.151%
23	11.398	1578	1583	1586	rVB	217310	196849	5.60%	0.561%
24	11.557	1604	1610	1613	rBV	109070	108674	3.09%	0.310%
25	11.657	1623	1627	1630	rVB3	38431	44333	1.26%	0.126%
26	11.828	1652	1656	1658	rBV	153276	132075	3.76%	0.377%
27	11.857	1658	1661	1665	rVV	377732	344124	9.79%	0.981%
28	11.904	1666	1669	1671	rVV2	50789	59157	1.68%	0.169%
29	11.939	1671	1675	1677	rVV	225598	217241	6.18%	0.620%
30	11.963	1677	1679	1684	rVB	77975	64485	1.83%	0.184%
31	12.057	1693	1695	1701	rVB4	85015	106253	3.02%	0.303%
32	12.128	1704	1707	1708	rVV	84447	79462	2.26%	0.227%
33	12.145	1708	1710	1717	rVB2	130538	130595	3.71%	0.372%
34	12.381	1748	1750	1752	rBV2	67153	54447	1.55%	0.155%
35	12.463	1762	1764	1768	rVB	70038	69519	1.98%	0.198%
36	12.539	1774	1777	1781	rBV	1440652	1301796	37.02%	3.712%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.634	1790	1793	1797	rVB3	133538	122879	3.49%	0.350%
38	12.692	1801	1803	1808	rVB2	49094	47370	1.35%	0.135%
39	12.739	1808	1811	1812	rBV2	132246	131408	3.74%	0.375%
40	12.769	1812	1816	1820	rVV	1097282	1243690	35.37%	3.547%
41	12.822	1822	1825	1829	rVB2	61848	71621	2.04%	0.204%
42	12.892	1834	1837	1838	rBV	72045	61554	1.75%	0.176%
43	12.922	1838	1842	1845	rVV	2817018	2643607	75.18%	7.539%
44	12.992	1849	1854	1857	rBV2	89604	142485	4.05%	0.406%
45	13.075	1865	1868	1870	rBV3	71349	85828	2.44%	0.245%
46	13.098	1870	1872	1876	rVB	189093	183287	5.21%	0.523%
47	13.169	1876	1884	1887	rBV	174736	234440	6.67%	0.669%
48	13.204	1887	1890	1892	rBV2	134252	126585	3.60%	0.361%
49	13.263	1898	1900	1903	rBV2	54405	46422	1.32%	0.132%
50	13.298	1903	1906	1908	rVB	64724	54603	1.55%	0.156%
51	13.328	1908	1911	1915	rBV2	68197	60032	1.71%	0.171%
52	13.610	1956	1959	1964	rBV	122580	181913	5.17%	0.519%
53	13.722	1974	1978	1981	rVB2	127029	152159	4.33%	0.434%
54	13.751	1981	1983	1985	rBV	104030	74967	2.13%	0.214%
55	13.775	1985	1987	1988	rBV	56147	44987	1.28%	0.128%
56	13.822	1992	1995	2000	rBV2	274419	362312	10.30%	1.033%
57	13.975	2016	2021	2024	rBV2	1420052	1887217	53.67%	5.382%
58	13.998	2024	2025	2030	rVB	625704	442305	12.58%	1.261%
59	14.363	2085	2087	2089	rVB	118029	85561	2.43%	0.244%
60	14.616	2127	2130	2135	rBV	170998	235592	6.70%	0.672%
61	15.016	2194	2198	2201	rBV	537812	823880	23.43%	2.350%
62	15.322	2247	2250	2253	rBV	249344	333292	9.48%	0.950%
63	15.380	2257	2260	2266	rVB	391924	539975	15.36%	1.540%
64	15.445	2267	2271	2275	rBV	678737	845529	24.04%	2.411%

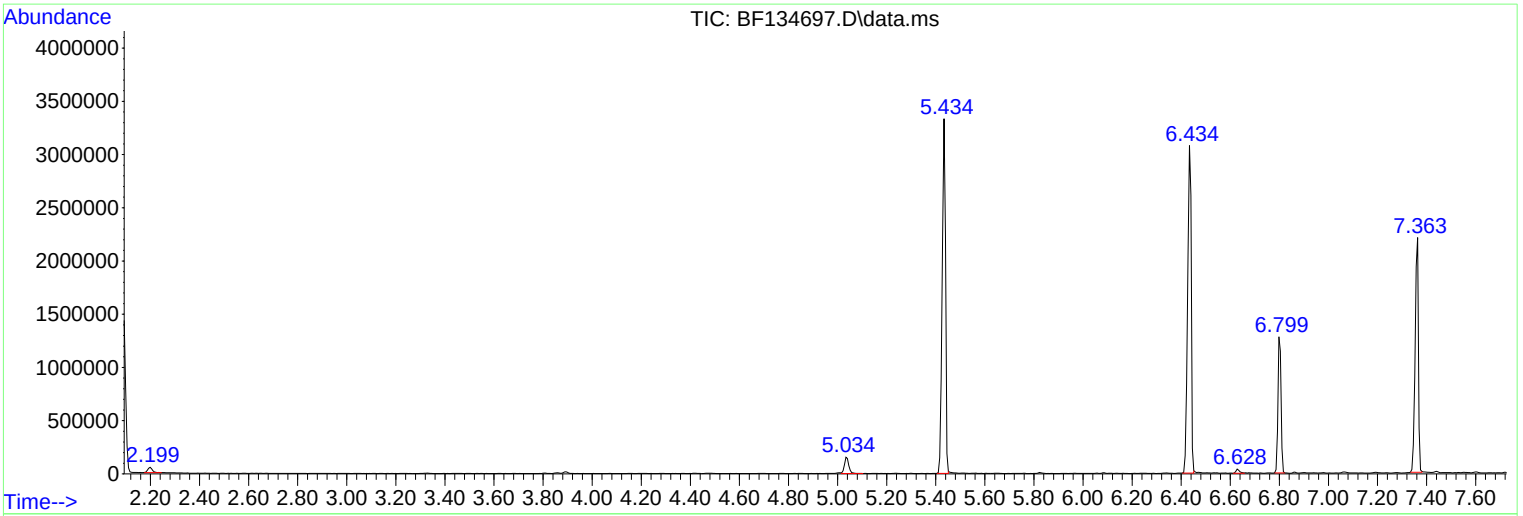
Sum of corrected areas: 35065548

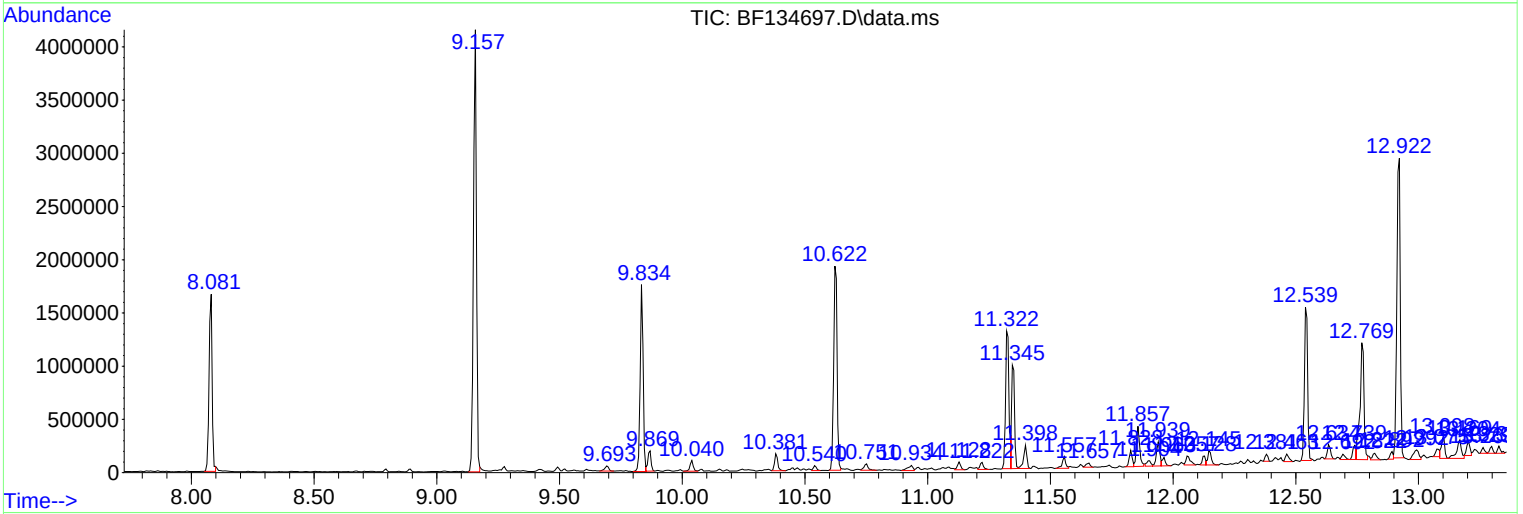
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

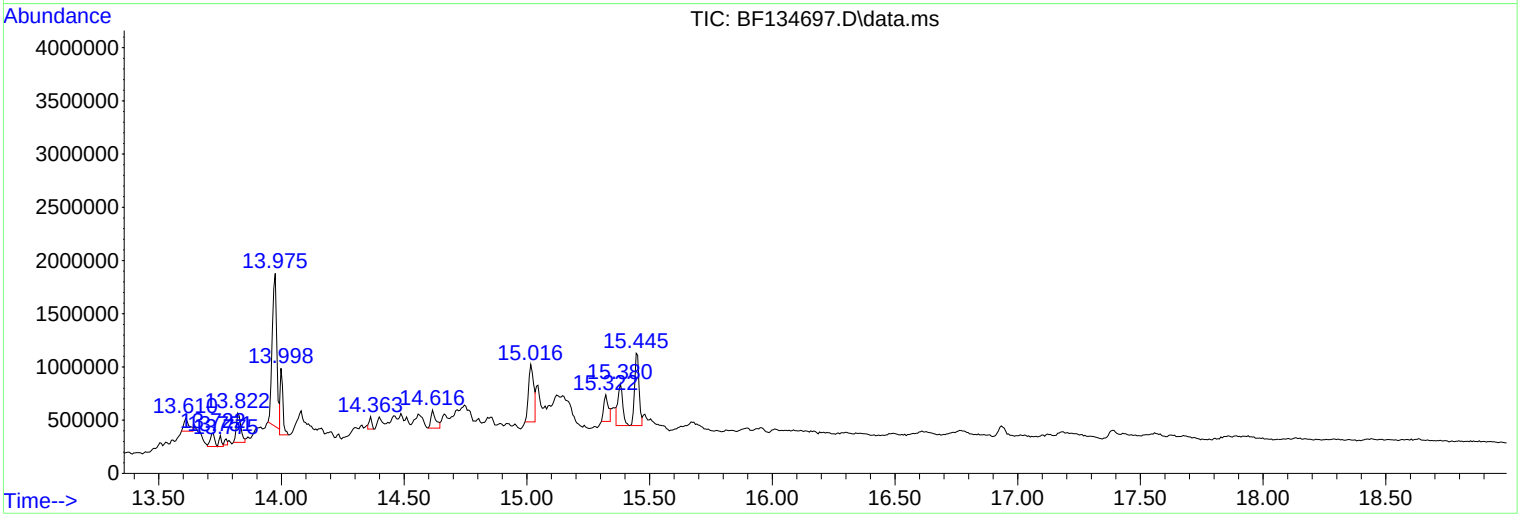
Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

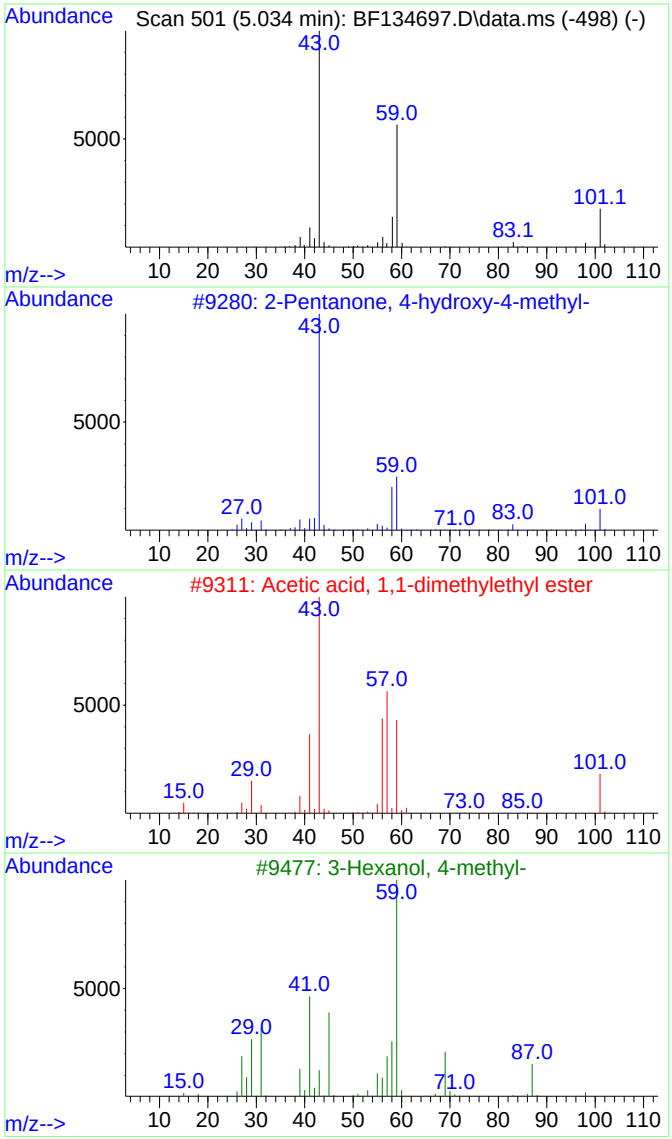
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

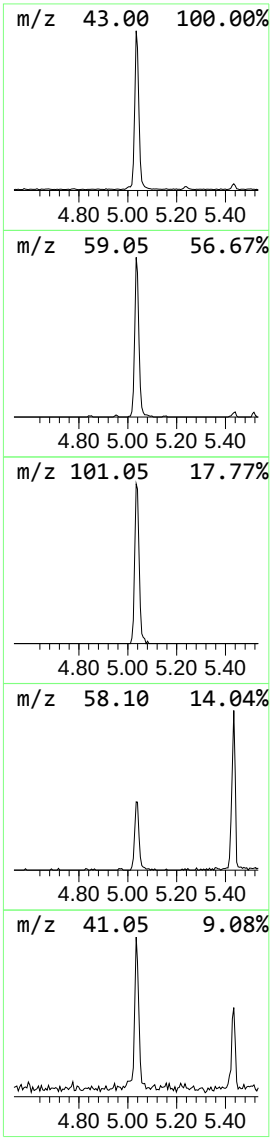
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.034	3.43 ng	187127	1,4-Dichlorobenzene-d4	6.799

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

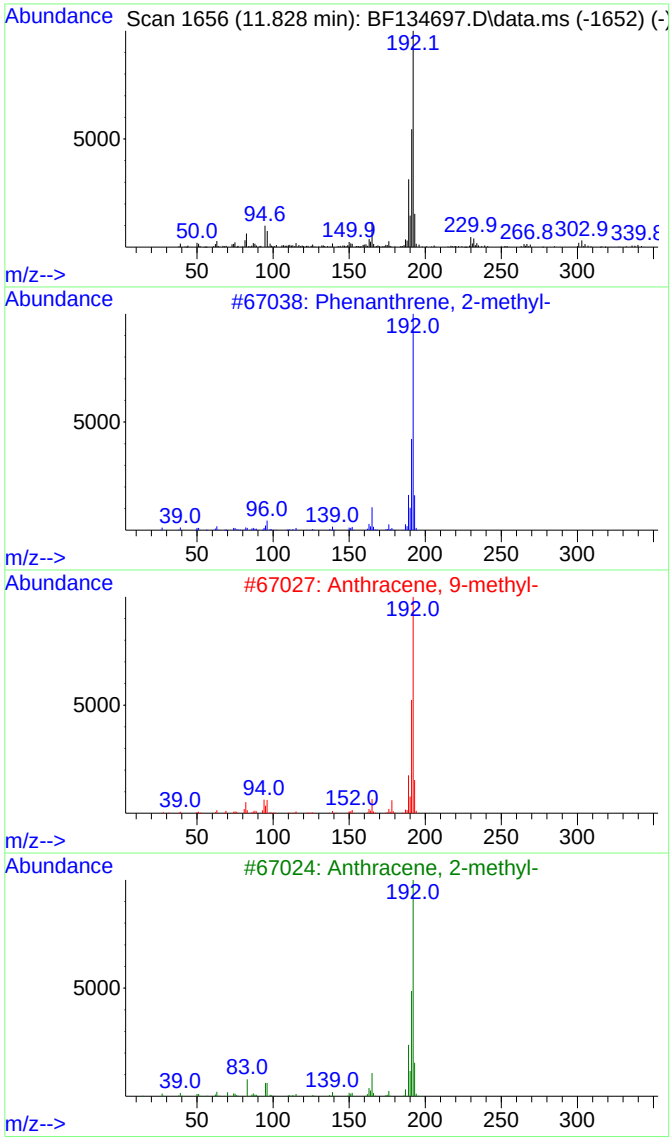
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

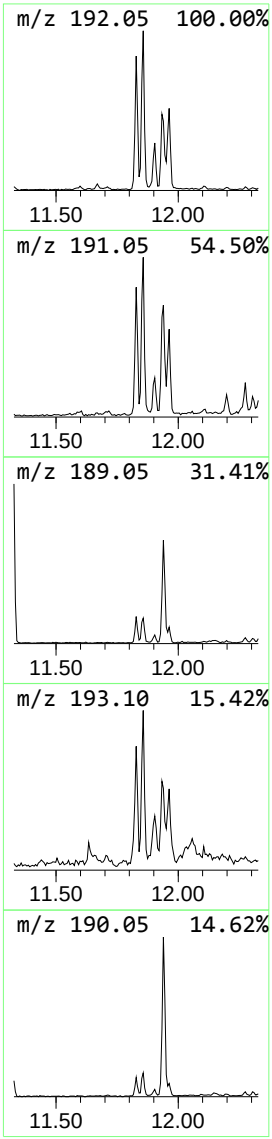
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	2.05 ng	132075	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

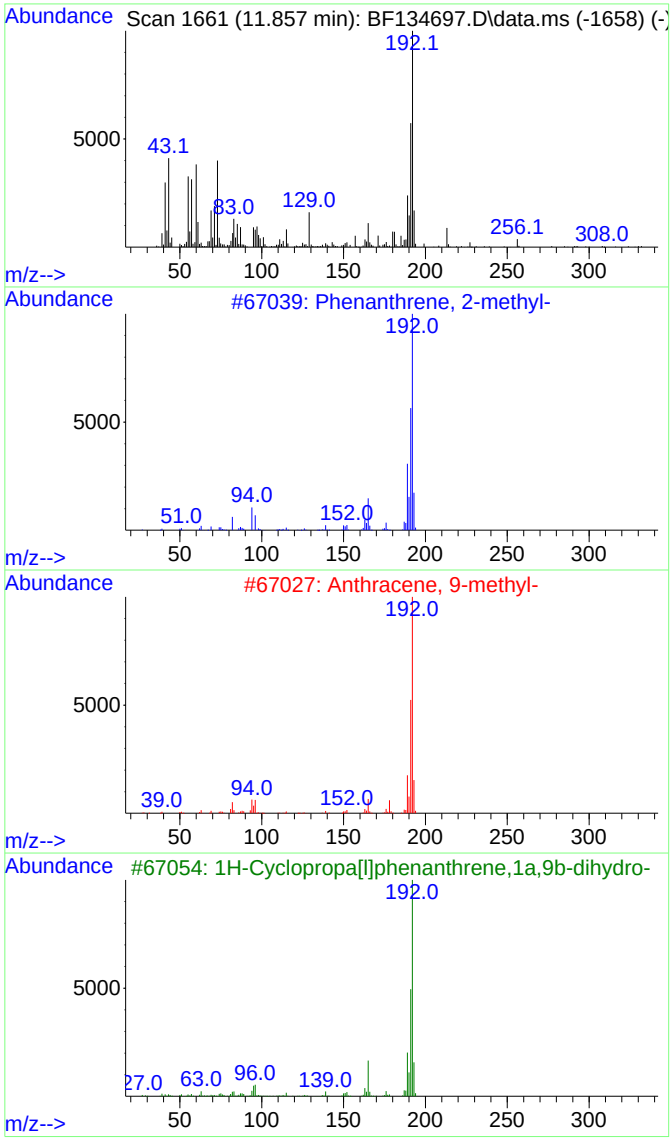
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

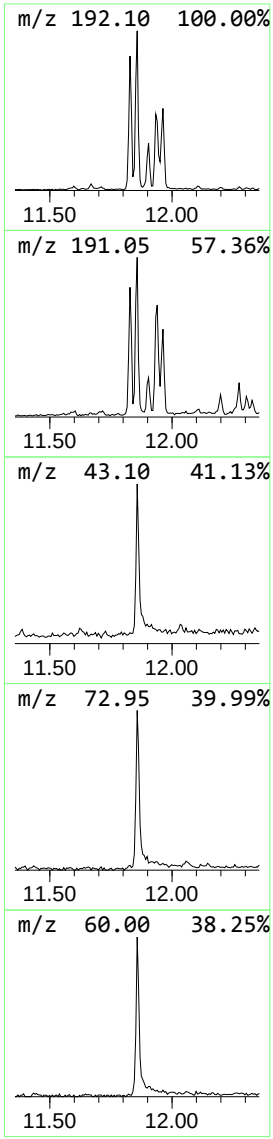
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	5.33 ng	344124	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

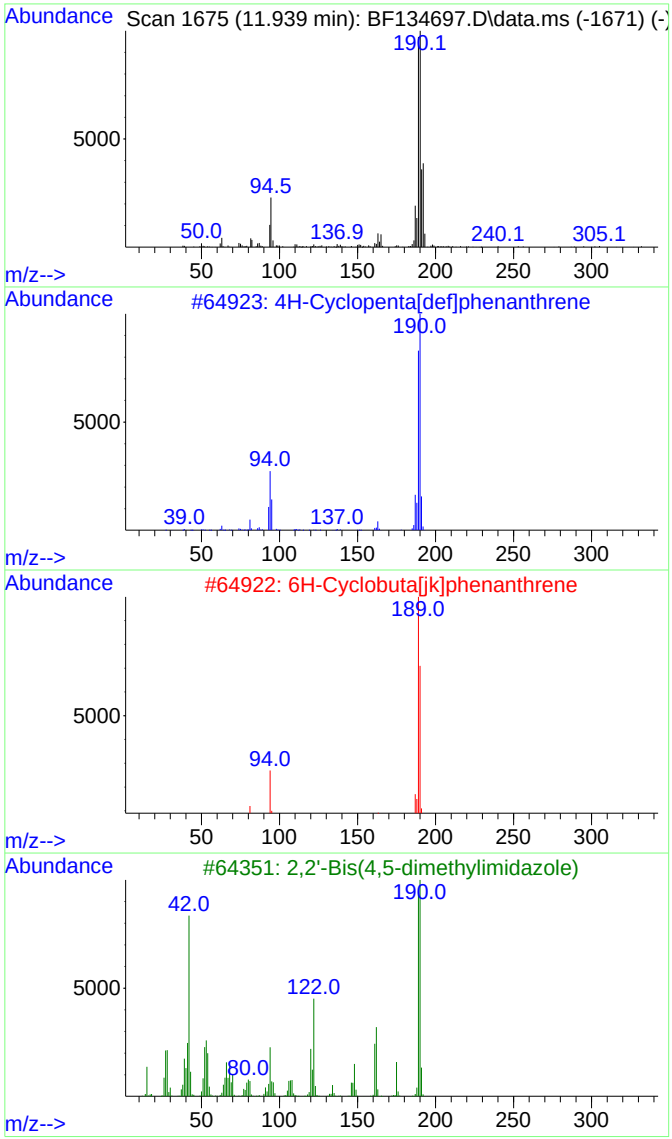
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

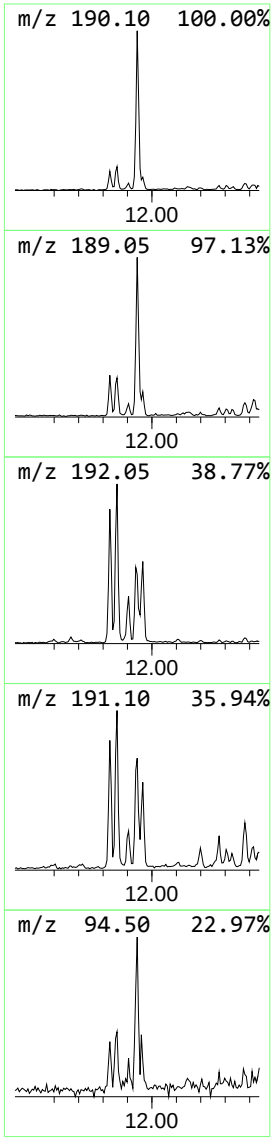
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.940	3.36 ng	217241	Phenanthrene-d10	11.322

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	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	25
5	1-Butyl-3-(2,5-dichloro-4,6-dime...	289	C12H17Cl2N3O	1000300-85-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

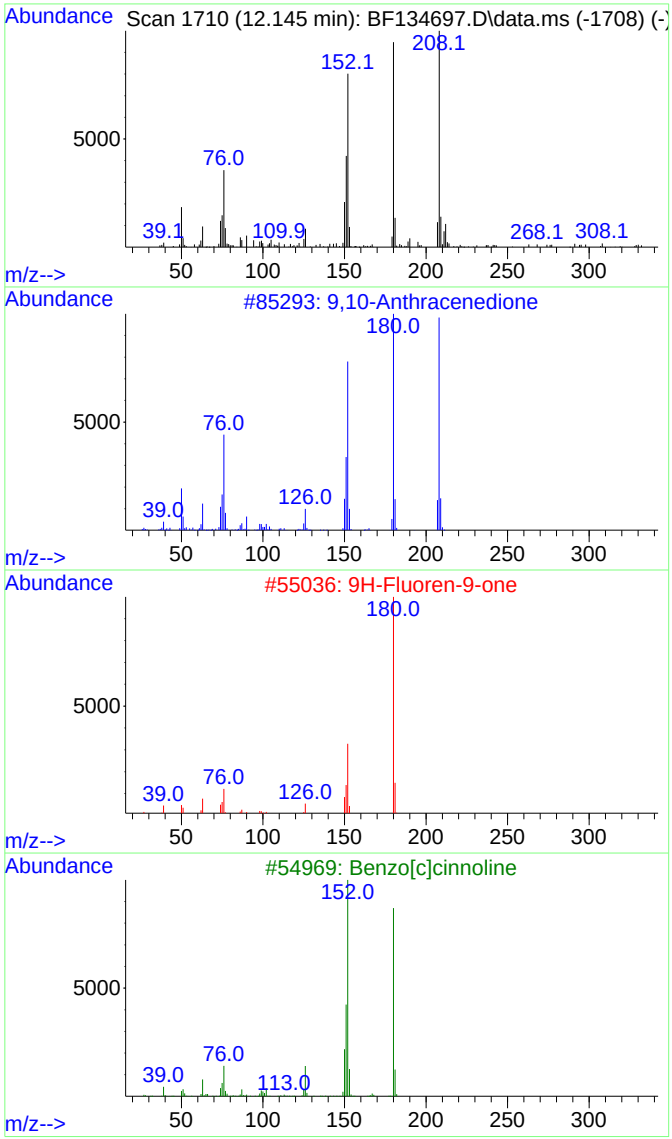
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

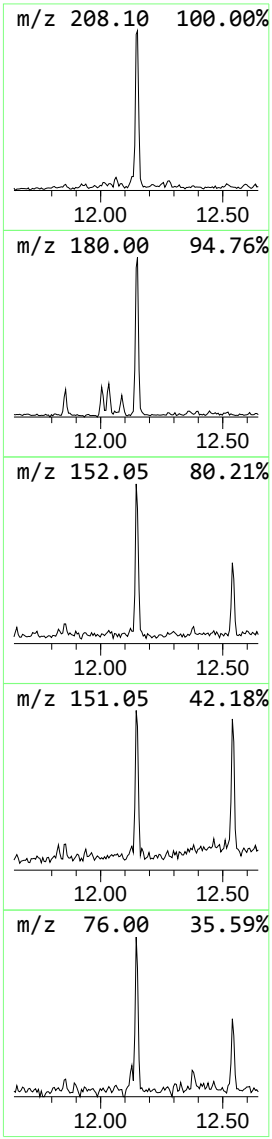
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.145	2.02 ng	130595	Phenanthrene-d10	11.322

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	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

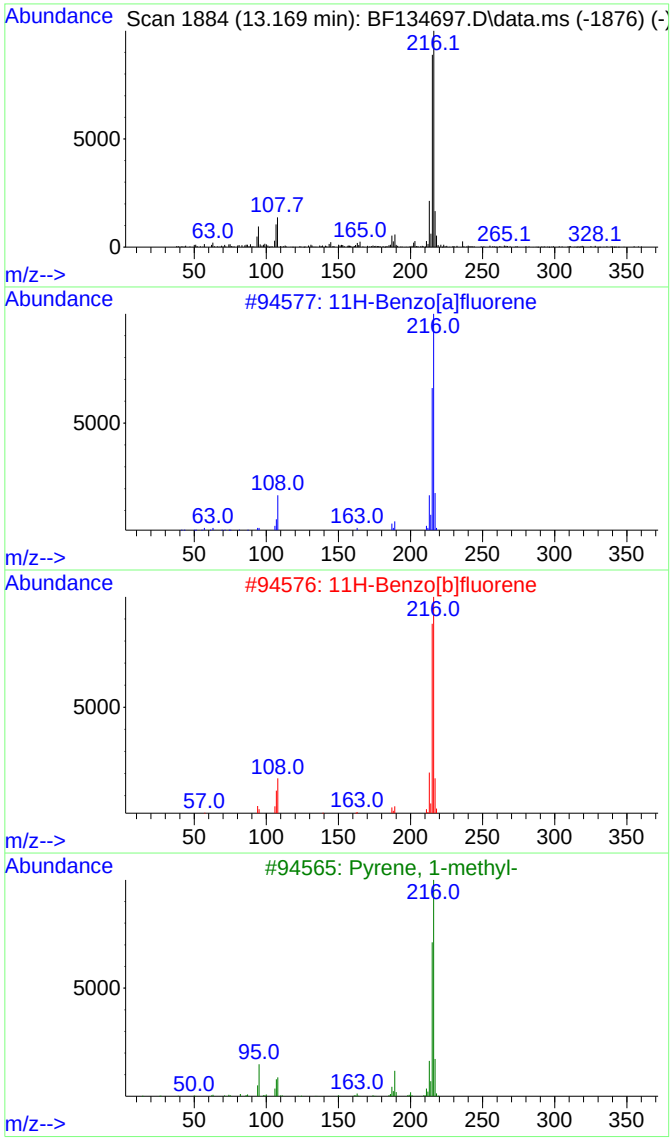
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

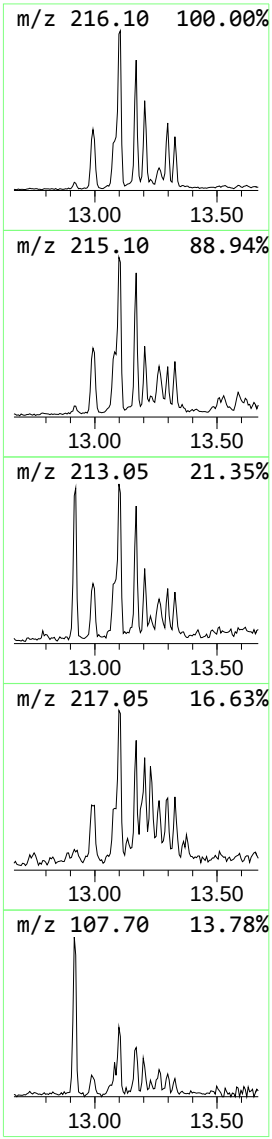
****

Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	2.48 ng	234440	Chrysene-d12	13.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

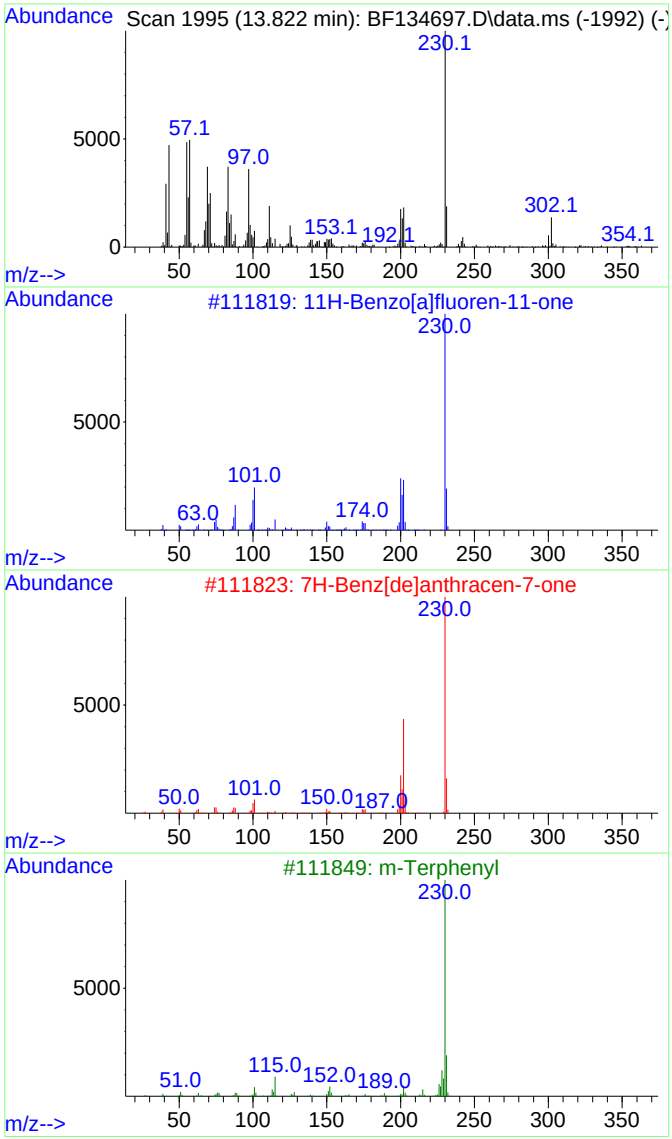
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

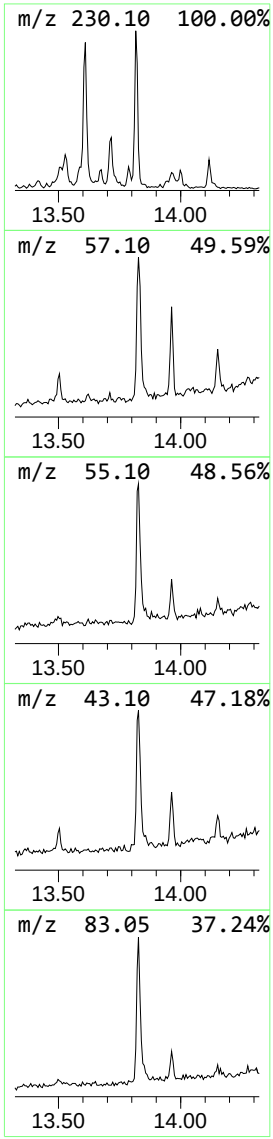
****

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.822	3.84 ng	362312	Chrysene-d12	13.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	60
3	m-Terphenyl	230	C18H14	000092-06-8	43
4	Phenazocine	321	C22H27NO	000127-35-5	43
5	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

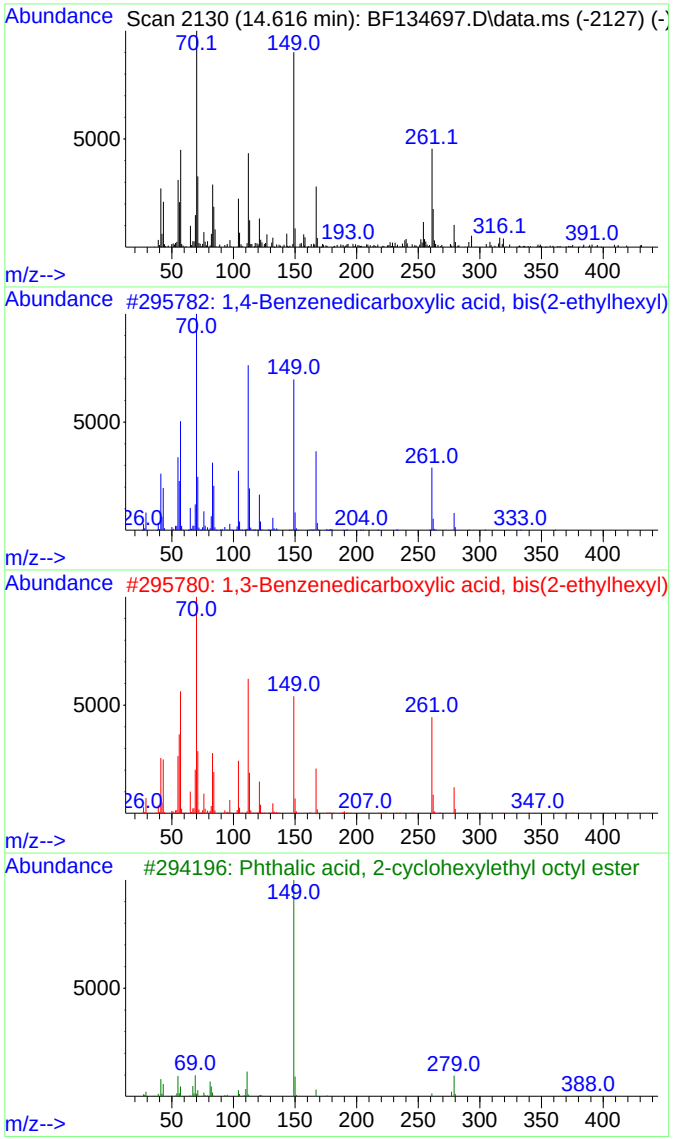
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

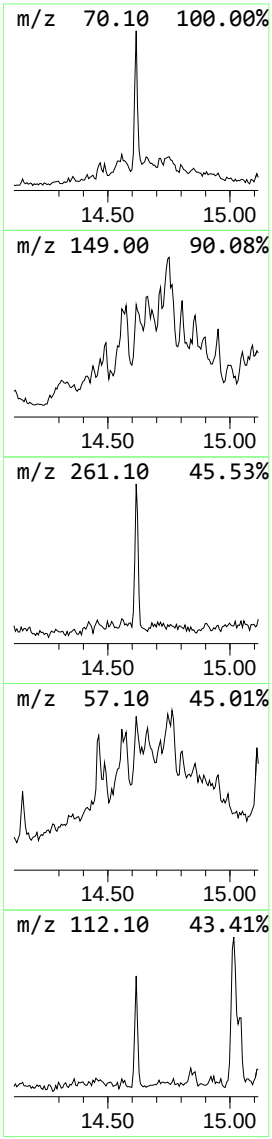
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,4-Benzenedicarboxylic aci... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.616	2.50 ng	235592	Chrysene-d12	13.975

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	58
2	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	43
3	Phthalic acid, 2-cyclohexylethyl...	388	C24H36O4	1000309-87-8	18
4	Di(Z)-hex-3-enyl phthalate	330	C20H26O4	1000373-65-0	18
5	Phthalic acid, 3-methylbut-3-eny...	346	C21H30O4	1000357-10-6	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

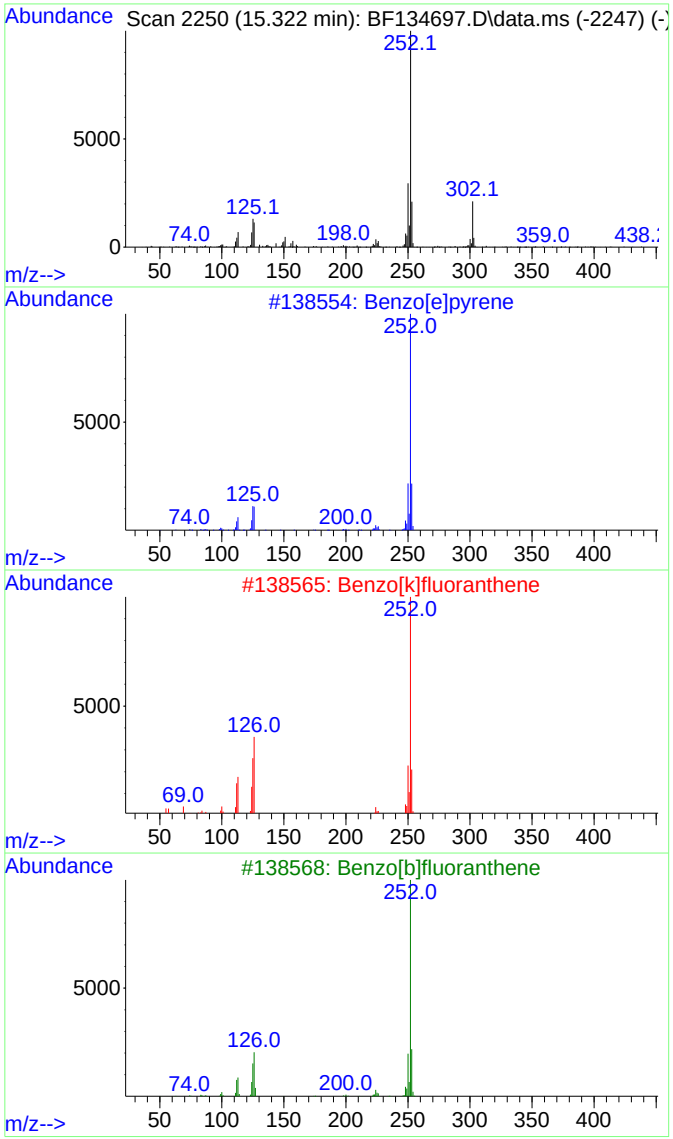
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

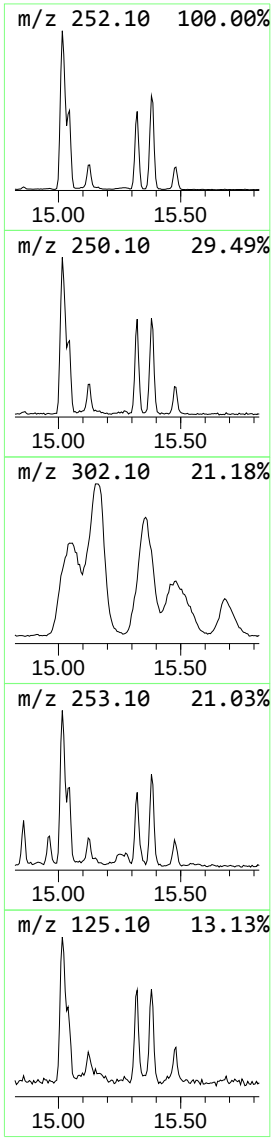
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.322	7.88 ng	333292	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	92
5	Benzo[a]pyrene	252	C20H12	000050-32-8	92





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080923\
Data File : BF134697.D
Acq On : 09 Aug 2023 19:02
Operator : CG\JU
Sample : 03930-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11935

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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-...	5.034	3.4	ng	187127	1	6.799	1089930	20.0
Phenanthrene, 2...	11.828	2.0	ng	132075	4	11.322	1291270	20.0
Anthracene, 9-m...	11.857	5.3	ng	344124	4	11.322	1291270	20.0
4H-Cyclopenta[d...	11.940	3.4	ng	217241	4	11.322	1291270	20.0
9,10-Anthracene...	12.145	2.0	ng	130595	4	11.322	1291270	20.0
11H-Benzo[a]flu...	13.169	2.5	ng	234440	5	13.975	1887220	20.0
11H-Benzo[a]flu...	13.822	3.8	ng	362312	5	13.975	1887220	20.0
1,4-Benzenedica...	14.616	2.5	ng	235592	5	13.975	1887220	20.0
Benzo[e]pyrene	15.322	7.9	ng	333292	6	15.451	845529	20.0