LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-4-103122

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130914.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	6	10	15	rVB	19074	23601	1.61%	0.105%
2	2.216	17	22	28	rVB	373257	482826	32.91%	2.142%
3	2.334	37	42	51	rVB2	33211	51716	3.53%	0.229%
4	5.157	518	522	537	rVB	198450	231698	15.79%	1.028%
5	5.551	584	589	592	rBV	1672558	1467043	100.00%	6.510%
6	6.557	755	760	763	rBV	1433602	1390797	94.80%	6.171%
7	6.763	792	795	799	rBV3	17179	17880	1.22%	0.079%
8	6.934	821	824	828	rBV	499937	420494	28.66%	1.866%
9	7.498	915	920	923	rBV	1004888	824078	56.17%	3.657%
10	8.128	1023	1027	1036	rBV2	25322	58324	3.98%	0.259%
11	8.222	1039	1043	1046	rBV	583457	464589	31.67%	2.062%
12	8.869	1147	1153	1156	rBV3	14147	21106	1.44%	0.094%
13	9.298	1222	1226	1229	rBV	1731846	1319730	89.96%	5.856%
14	9.639	1280	1284	1286	rBV	17449	18258	1.24%	0.081%
15	9.704	1290	1295	1300	rVB	45926	46604	3.18%	0.207%
16	9.845	1315	1319	1322	rBV	298650	250190	17.05%	1.110%
17	9.980	1339	1342	1346	rVB	524831	435525	29.69%	1.933%
18	10.186	1371	1377	1380	rBV5	20966	30491	2.08%	0.135%
19	10.222	1380	1383	1386	rVB2	19464	17164	1.17%	0.076%
20	10.292	1391	1395	1398	rBV3	25455	31733	2.16%	0.141%
21	10.386	1407	1411	1413	rBV5	13306	24465	1.67%	0.109%
22	10.433	1417	1419	1422	rBV	32543	31294	2.13%	0.139%
23	10.533	1433	1436	1442	rVB3	30187	43404	2.96%	0.193%
24	10.639	1452	1454	1458	rVB2	17074	17144	1.17%	0.076%
25	10.775	1471	1477	1480	rBV	929390	832758	56.76%	3.695%
26	10.898	1492	1498	1504	rVB5	38437	65912	4.49%	0.292%
27	11.080	1525	1529	1532	rBV4	22889	32897	2.24%	0.146%
28	11.210	1547	1551	1553	rBV3	16493	21310	1.45%	0.095%
29	11.233	1553	1555	1560	rVV	29789	34006	2.32%	0.151%
30	11.280	1560	1563	1568	rVV2	29473	36535	2.49%	0.162%
31	11.327	1568	1571	1574	rVV4	25818	32907	2.24%	0.146%
32	11.369	1574	1578	1583	rVB2	28137	42691	2.91%	0.189%
33	11.474	1593	1596	1598	rBV	530875	475285	32.40%	2.109%
34	11.498	1598	1600	1606	rVV	426858	369698	25.20%	1.640%
35	11.551	1606	1609	1612	rVV	158751	134380	9.16%	0.596%
36	11.580	1612	1614	1620	rVB3	34437	43651	2.98%	0.194%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.704	1632	1635	1639	rBV	37801	43183	2.94%	0.192%
38	11.804	1650	1652	1657	rVB	29860	31035	2.12%	0.138%
39	11.863	1658	1662	1664	rBV	172043	143122	9.76%	0.635%
40	11.886	1664	1666	1671	rVB4	17094	19835	1.35%	0.088%
41	11.933	1671	1674	1676	rBV4	13977	17013	1.16%	0.075%
42	11.980	1679	1682	1684	rBV	135699	141248	9.63%	0.627%
43	12.010	1684	1687	1689	rVB	158058	150149	10.23%	0.666%
44	12.057	1692	1695	1697	rVV	54168	48509	3.31%	0.215%
45	12.092	1697	1701	1703	rVV2	195487	215633	14.70%	0.957%
46	12.116	1703	1705	1709	rVB	113593	89959	6.13%	0.399%
47	12.163	1711	1713	1715	rBV3	29577	27741	1.89%	0.123%
48	12.210	1719	1721	1724	rVB2	20434	18804	1.28%	0.083%
49	12.274	1729	1732	1734	rVV	100939	83148	5.67%	0.369%
50	12.298	1734	1736	1739	rVB2	78888	67460	4.60%	0.299%
51	12.421	1755	1757	1760	rVB2	35900	30402	2.07%	0.135%
52	12.457	1760	1763	1765	rBV	53965	47518	3.24%	0.211%
53	12.480	1765	1767	1769	rVB	46903	33131	2.26%	0.147%
54	12.533	1772	1776	1777	rBV	142543	162298	11.06%	0.720%
55	12.551	1777	1779	1781	rVV	821385	668564	45.57%	2.967%
56	12.574	1781	1783	1788	rVB2	460023	435703	29.70%	1.933%
57	12.616	1788	1790	1795	rBV2	102971	109808	7.48%	0.487%
58	12.657	1795	1797	1800	rVB2	94373	68609	4.68%	0.304%
59	12.698	1800	1804	1807	rBV	1398936	1146550	78.15%	5.088%
60	12.739	1807	1811	1813	rBV2	43652	45380	3.09%	0.201%
61	12.792	1817	1820	1822	rVB	125000	105449	7.19%	0.468%
62	12.821	1822	1825	1827	rBV3	33624	32607	2.22%	0.145%
63	12.851	1827	1830	1831	rBV	42450	37074	2.53%	0.165%
64	12.927	1840	1843	1848	rVB	1203648	1177678	80.28%	5.226%
65	12.974	1848	1851	1855	rVB2	63581	80555	5.49%	0.357%
66	13.068	1863	1867	1874	rVB	1618525	1439765	98.14%	6.389%
67	13.145	1875	1880	1883	rBV4	147003	227797	15.53%	1.011%
68	13.233	1891	1895	1896	rBV3	116228	145861	9.94%	0.647%
69	13.251	1896	1898	1901	rVB	219268	212386	14.48%	0.942%
70	13.292	1902	1905	1907	rBV4	37998	54961	3.75%	0.244%
71	13.321	1907	1910	1912	rVV2	118187	99261	6.77%	0.440%
72	13.357	1913	1916	1919	rVV2	177187	178550	12.17%	0.792%
73	13.451	1930	1932	1935	rBV	117702	94292	6.43%	0.418%
74	13.486	1935	1938	1940	rBV	105295	107114	7.30%	0.475%
75	13.633	1960	1963	1965	rBV3	53456	70416	4.80%	0.312%
76	13.763	1982	1985	1990	rVB	145037	140999	9.61%	0.626%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.904	2007	2009	2011	rBV	118885	86322	5.88%	0.383%
78	13.927	2011	2013	2017	rVV2	109611	118851	8.10%	0.527%
79	13.968	2018	2020	2024	rVB2	139358	134683	9.18%	0.598%
80	14.121	2042	2046	2050	rBV2	850626	1180987	80.50%	5.240%
81	14.157	2050	2052	2057	rVB	674628	567554	38.69%	2.518%
82	14.274	2070	2072	2076	rBV3	76325	70271	4.79%	0.312%
83	14.515	2111	2113	2116	rVB	158803	127365	8.68%	0.565%
84	14.551	2117	2119	2122	rVB2	99231	81772	5.57%	0.363%
85	14.645	2132	2135	2137	rBV	98791	101603	6.93%	0.451%
86	15.204	2225	2230	2233	rBV	514701	863171	58.84%	3.830%
87	15.315	2246	2249	2252	rVB	118647	123500	8.42%	0.548%
88	15.521	2281	2284	2290	rVB	321887	401750	27.39%	1.783%
89	15.586	2291	2295	2301	rVB	448073	585865	39.94%	2.600%
90	15.651	2303	2306	2309	rBV	163957	200904	13.69%	0.891%

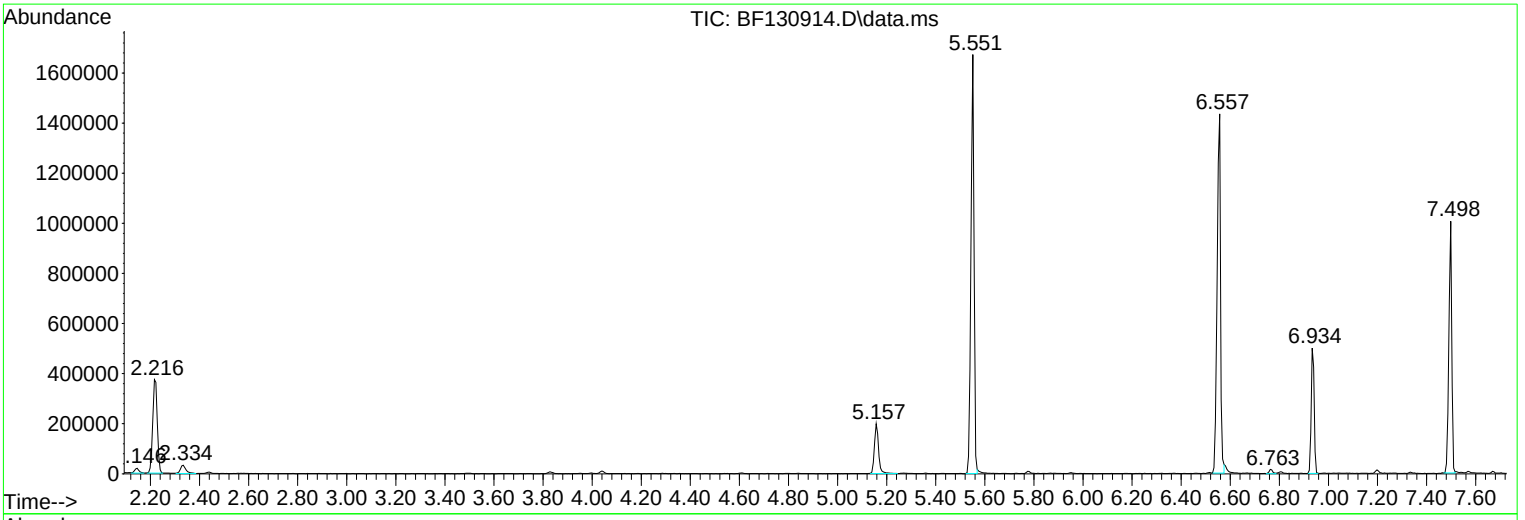
Sum of corrected areas: 22536349

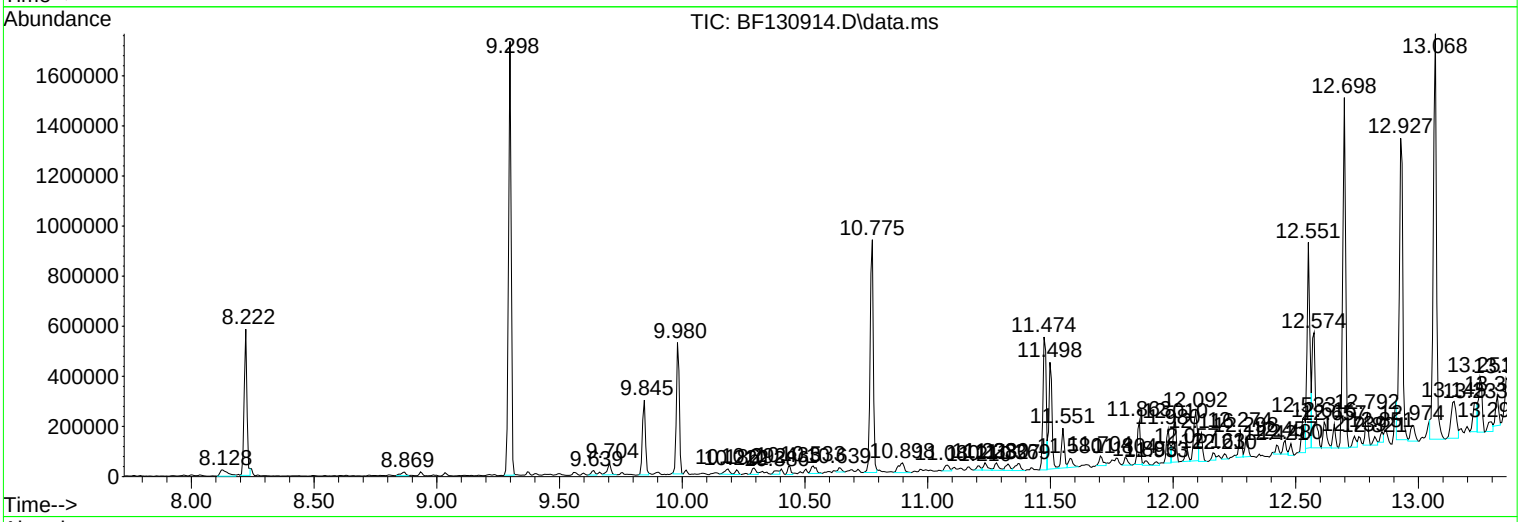
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

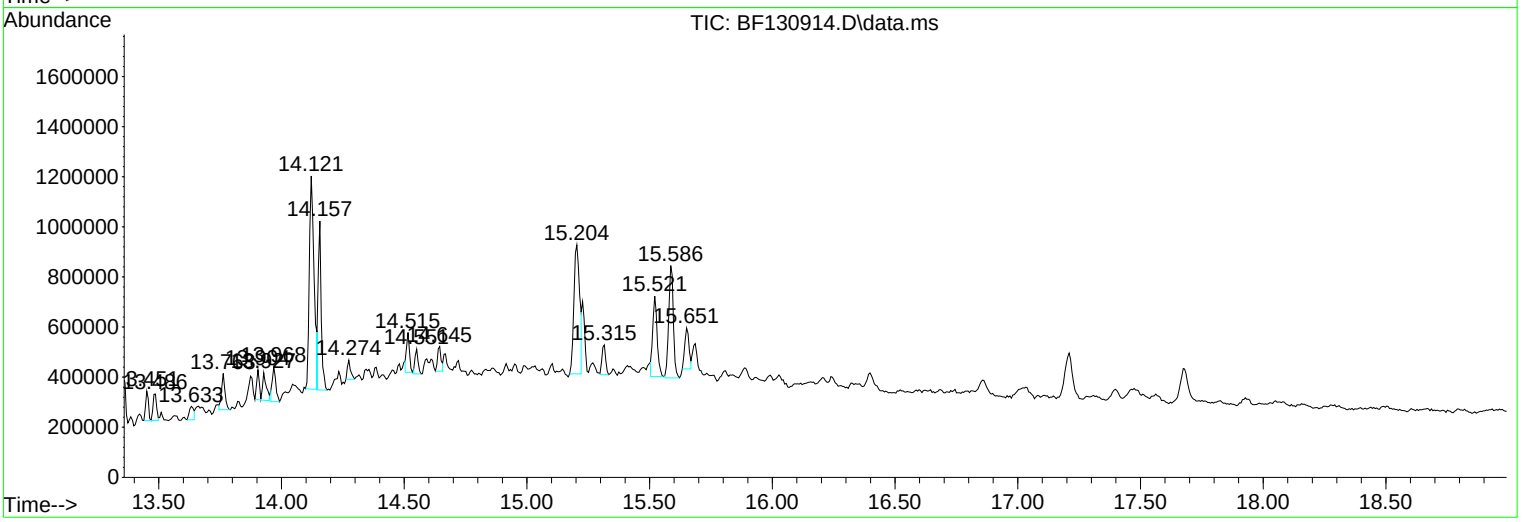
Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

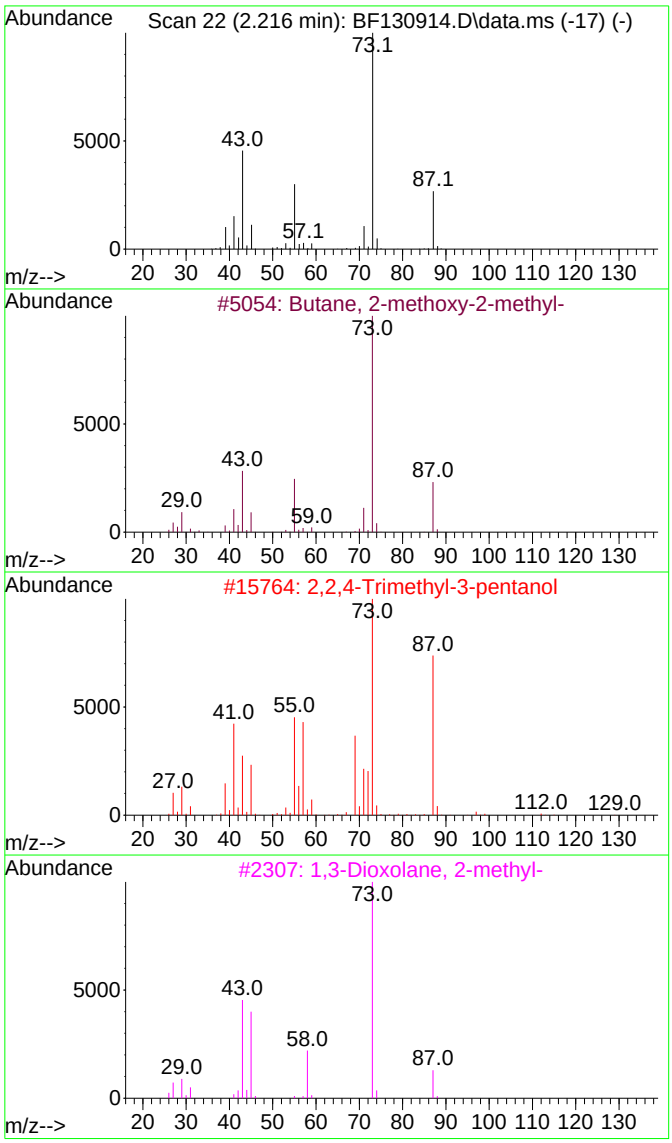
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

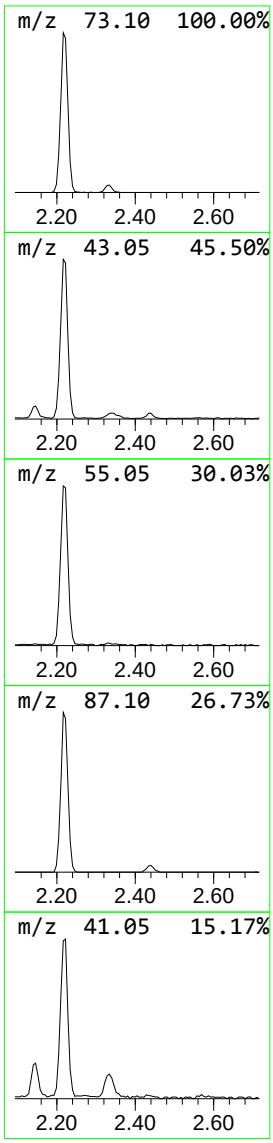
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.216	22.96 ng	482826	1,4-Dichlorobenzene-d4	6.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	37
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

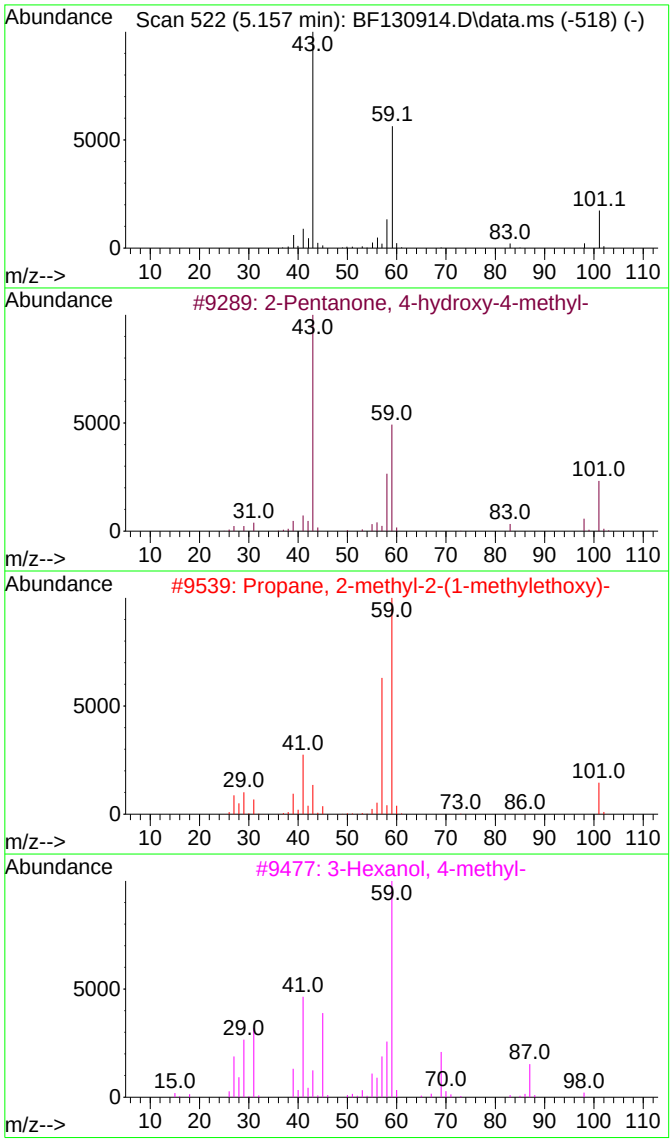
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

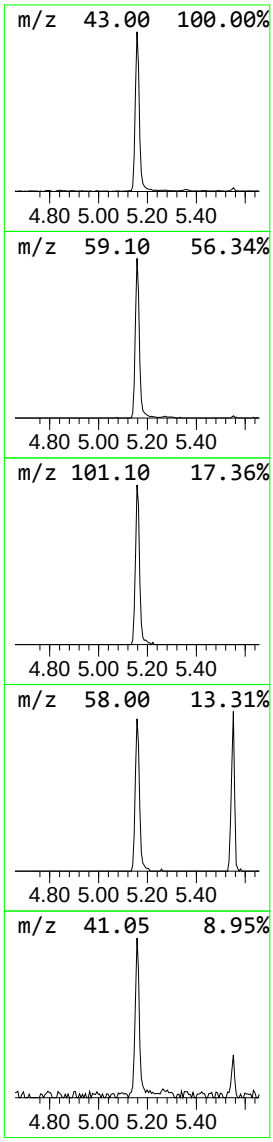
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.157	11.02 ng	231698	1,4-Dichlorobenzene-d4	6.934

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

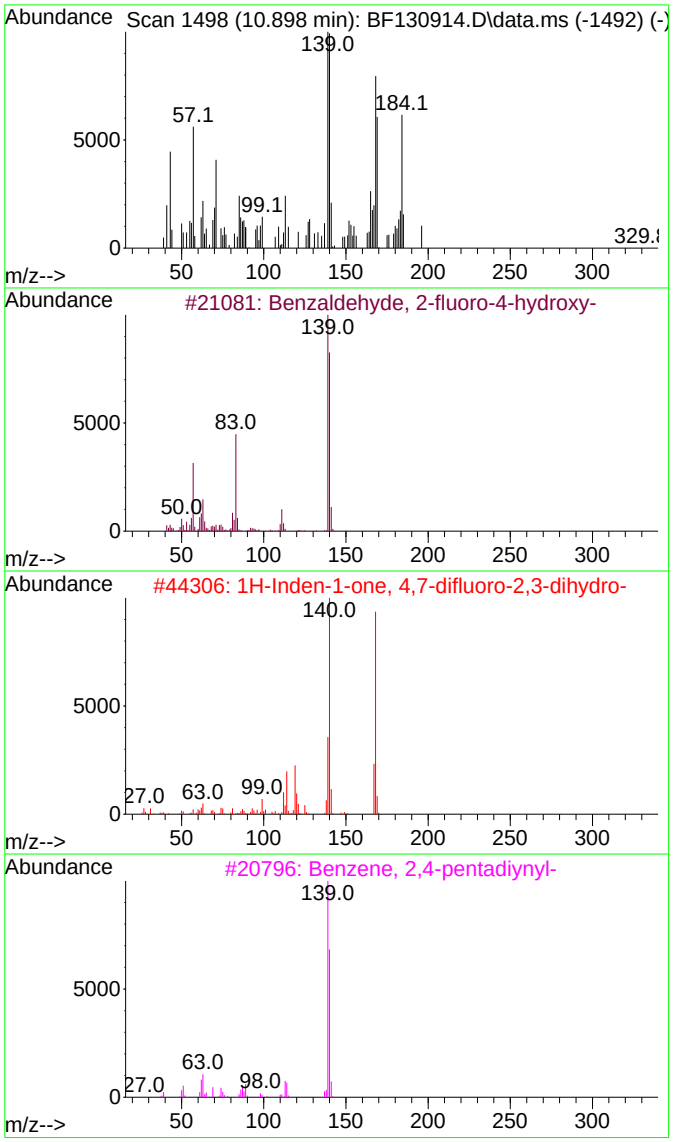
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

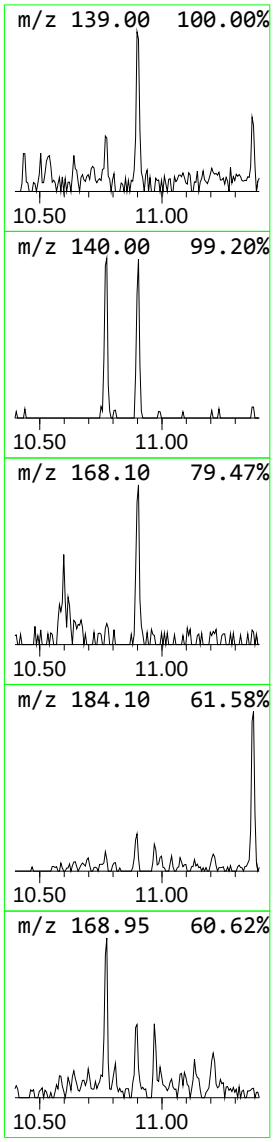
****

Peak Number 3 unknown10.898 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.898	2.77 ng	65912	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	35
2	1H-Inden-1-one, 4,7-difluoro-2,3...	168	C9H6F2O	130408-16-1	35
3	Benzene, 2,4-pentadiynyl-	140	C11H8	041268-41-1	35
4	6-Hydroxy-1-naphthalenecarbonitrile	169	C11H7NO	1000326-74-7	25
5	4-Cyclohepta-2,4,6-trienyl-phenol	184	C13H12O	091902-42-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

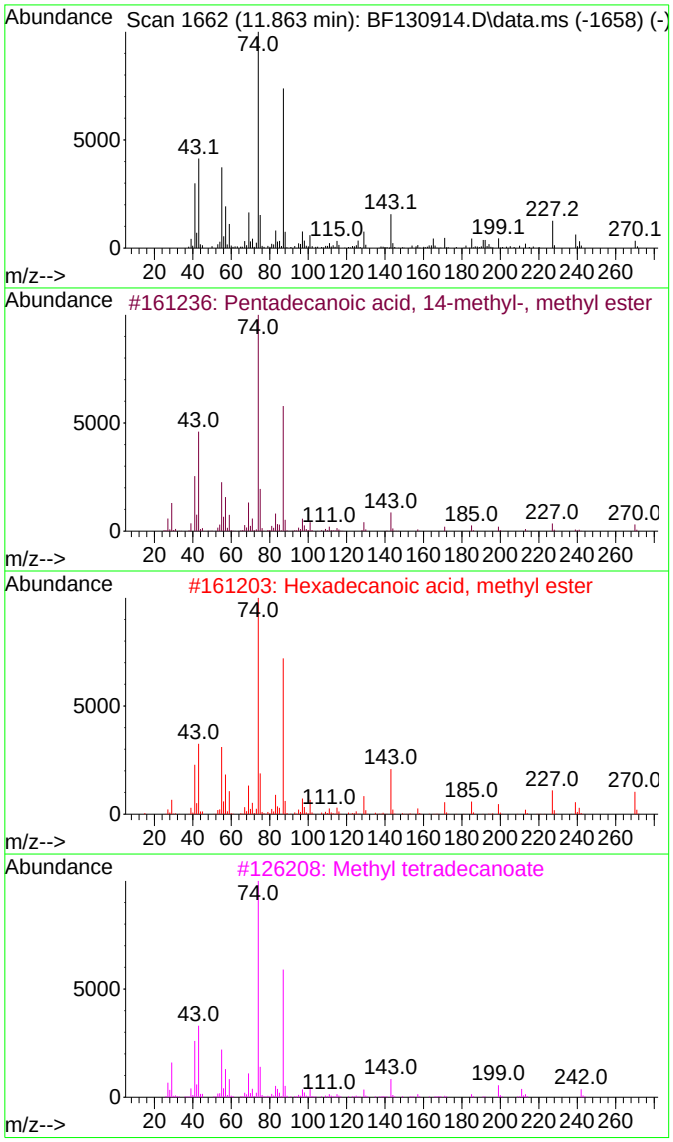
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

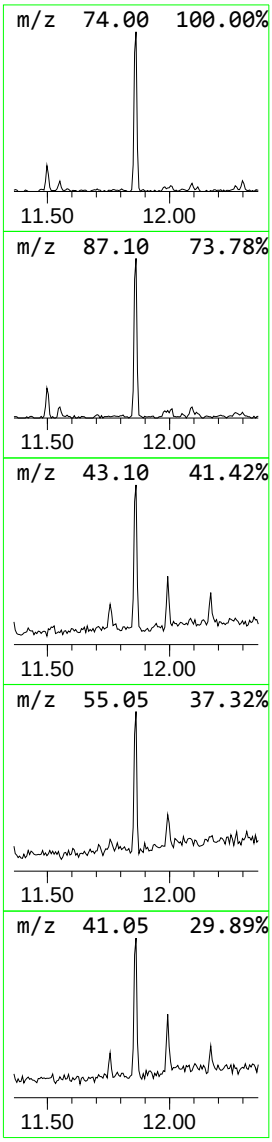
****

Peak Number 4 Pentadecanoic acid, 14-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	6.02 ng	143122	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
2	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	91
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
4	Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	80
5	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

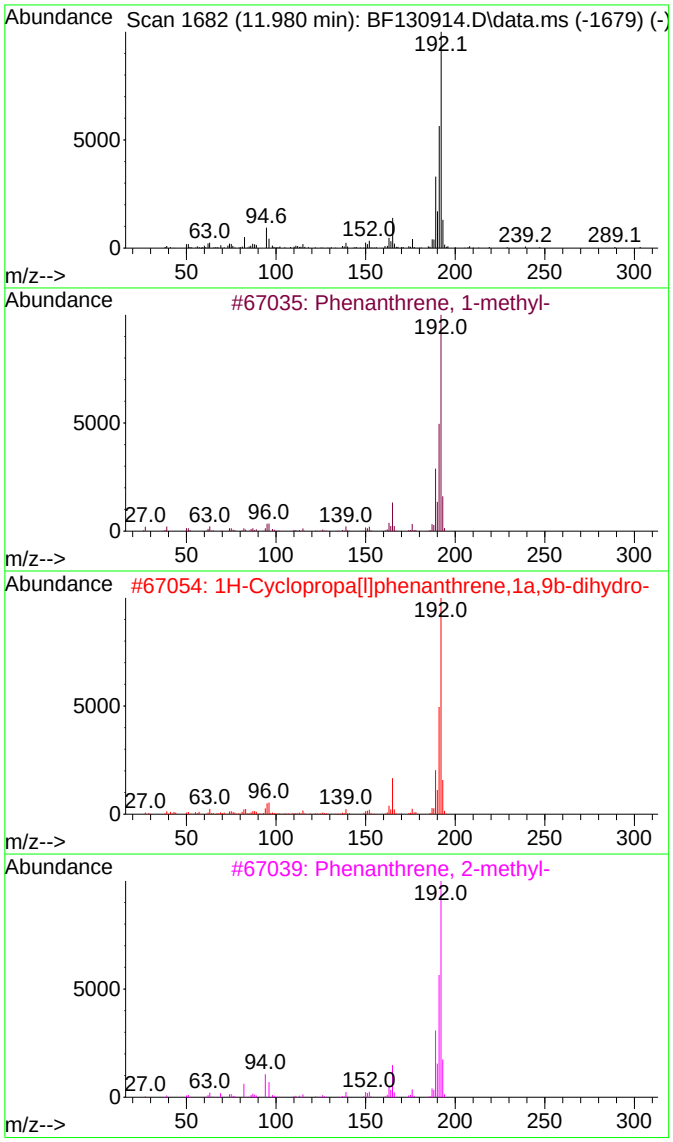
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

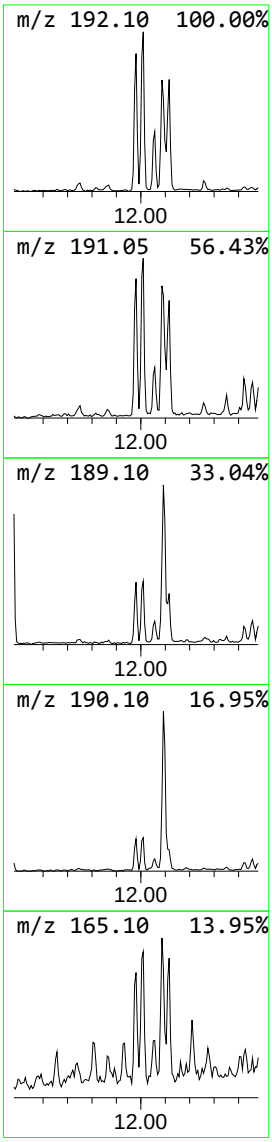
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	5.94 ng	141248	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

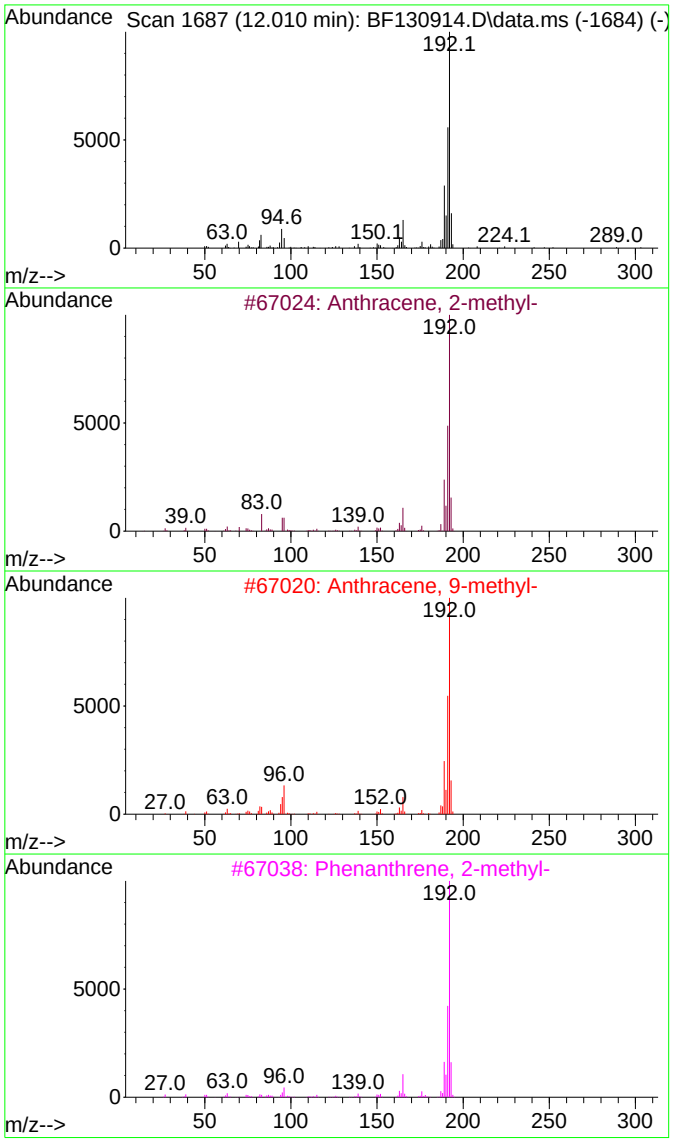
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

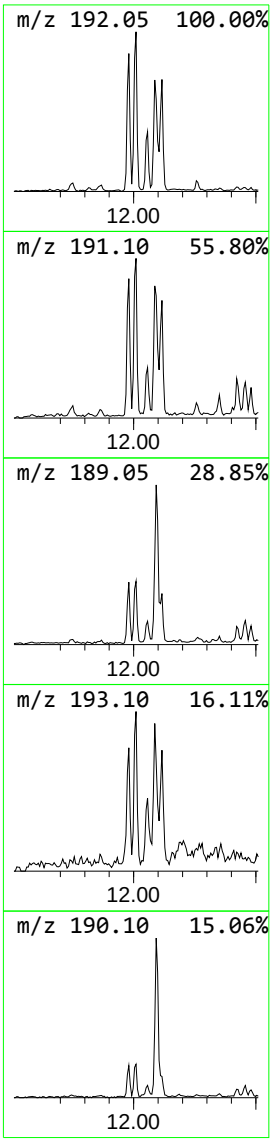
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	6.32 ng	150149	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

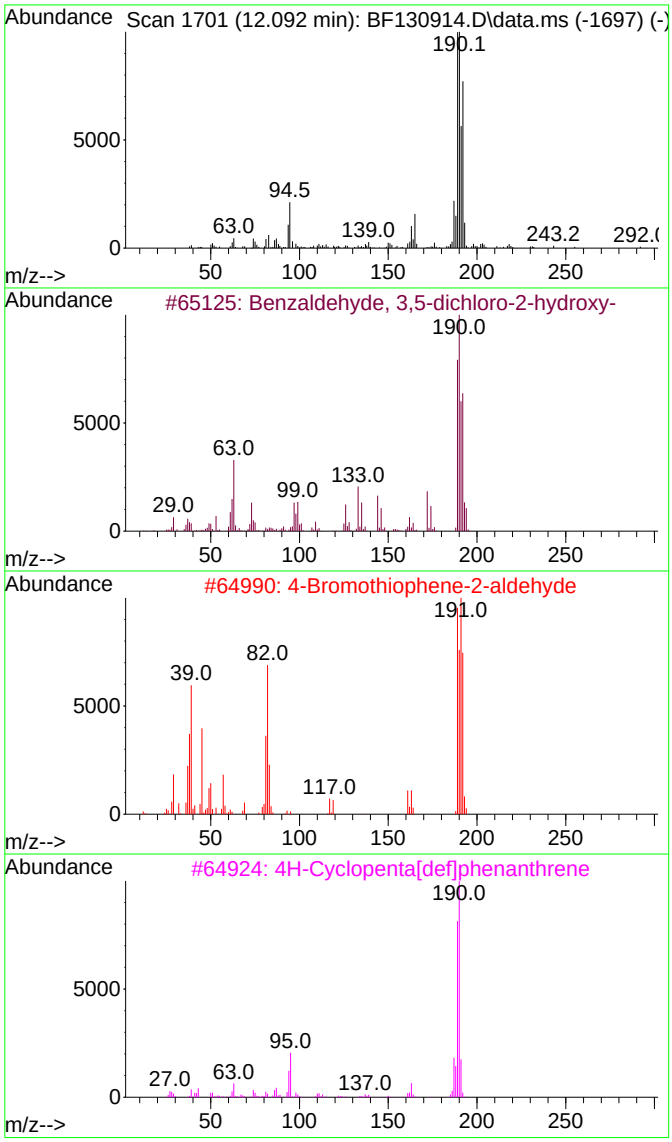
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

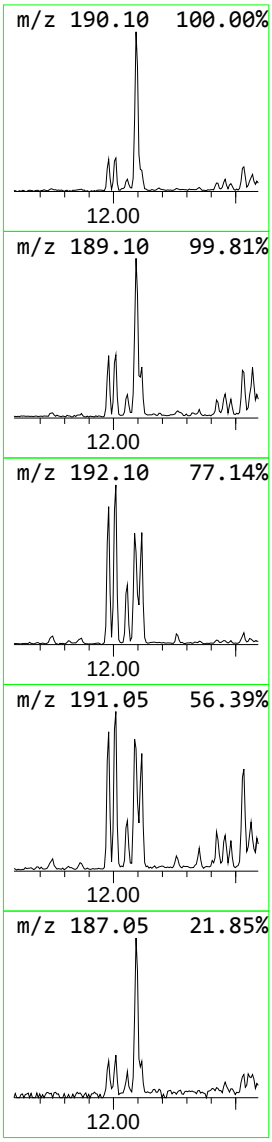
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	9.07 ng	215633	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

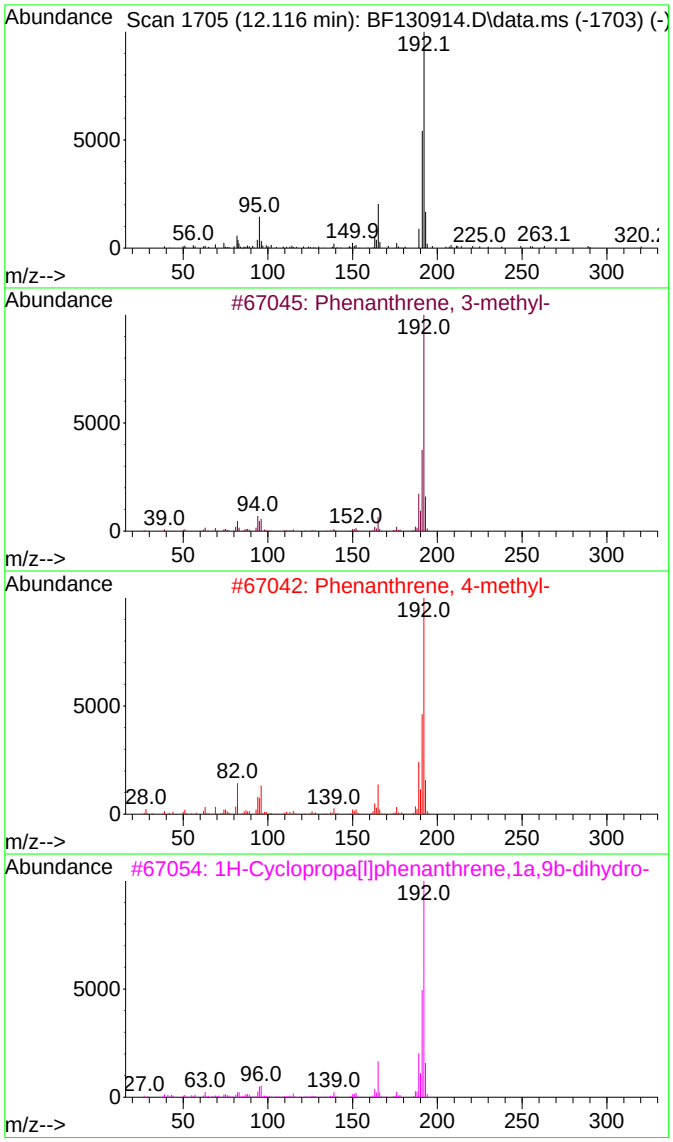
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

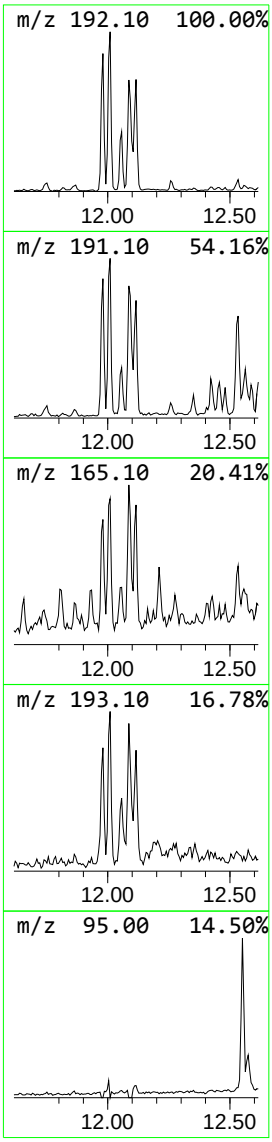
****

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	3.79 ng	89959	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	90
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

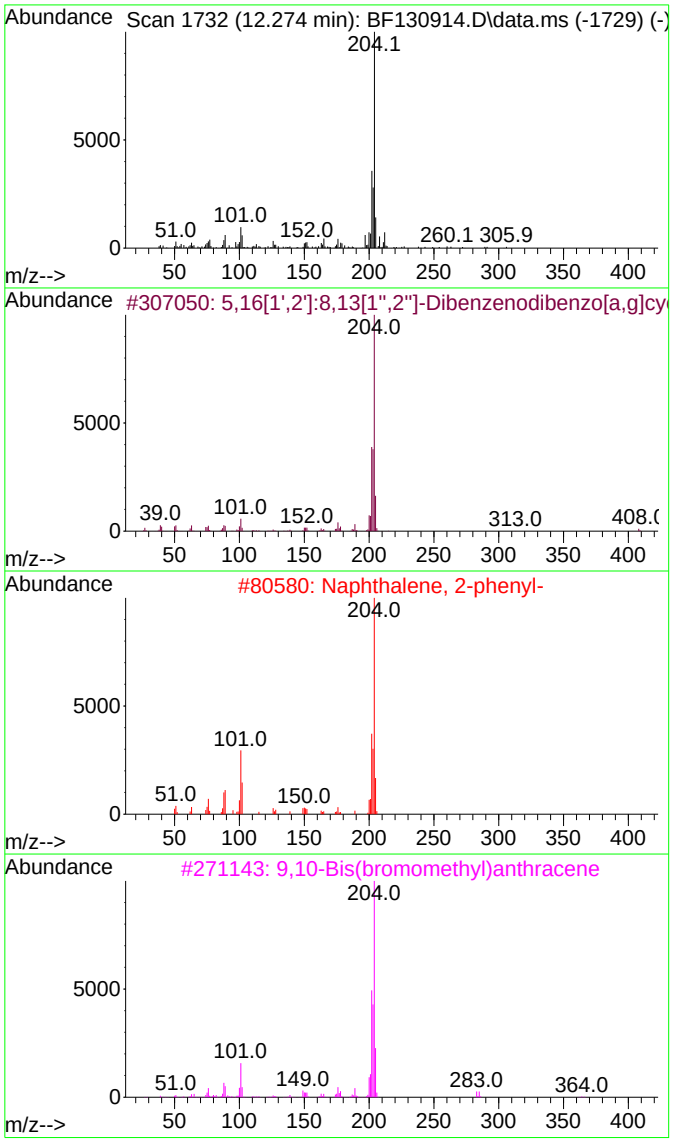
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

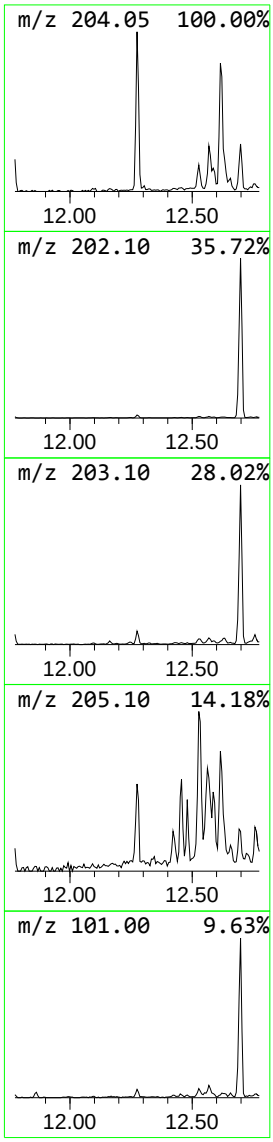
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.274	3.50 ng	83148	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

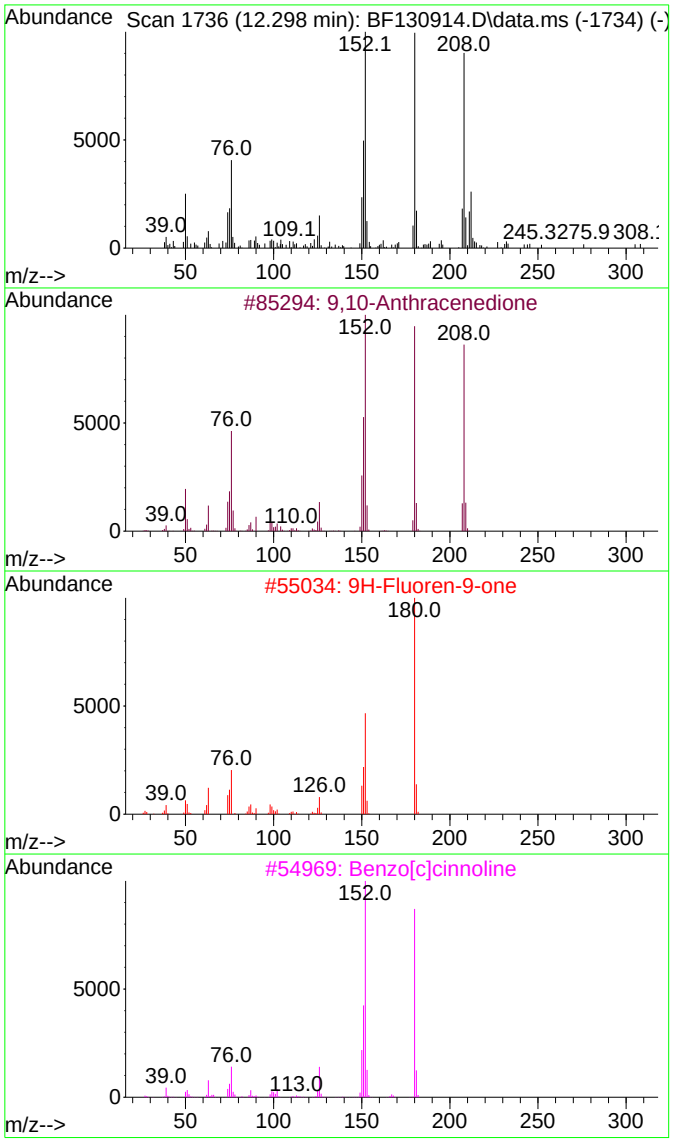
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

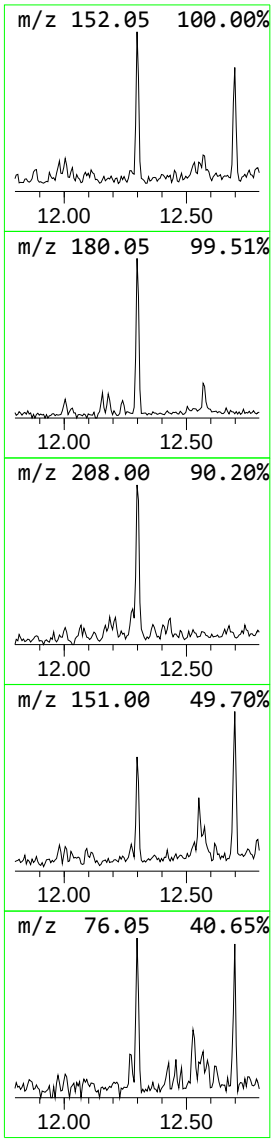
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.298	2.84 ng	67460	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

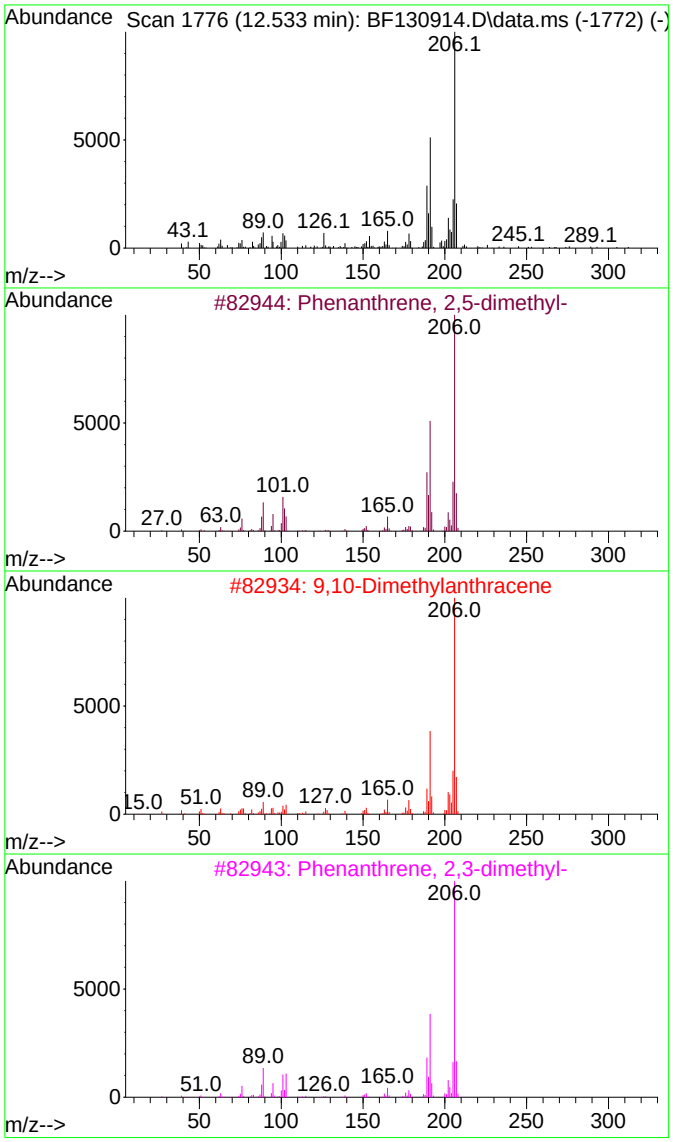
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

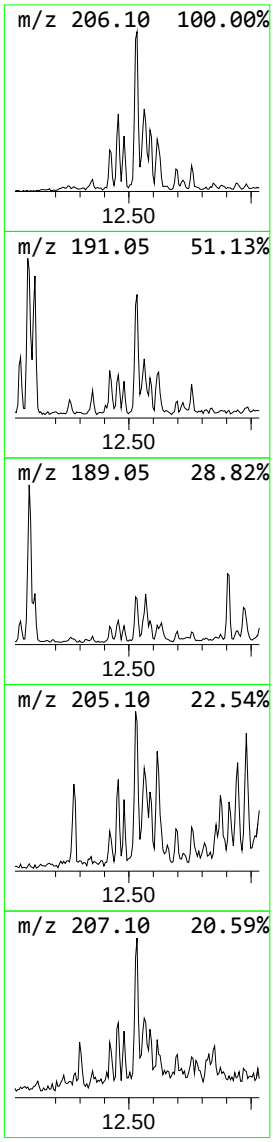
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	6.83 ng	162298	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

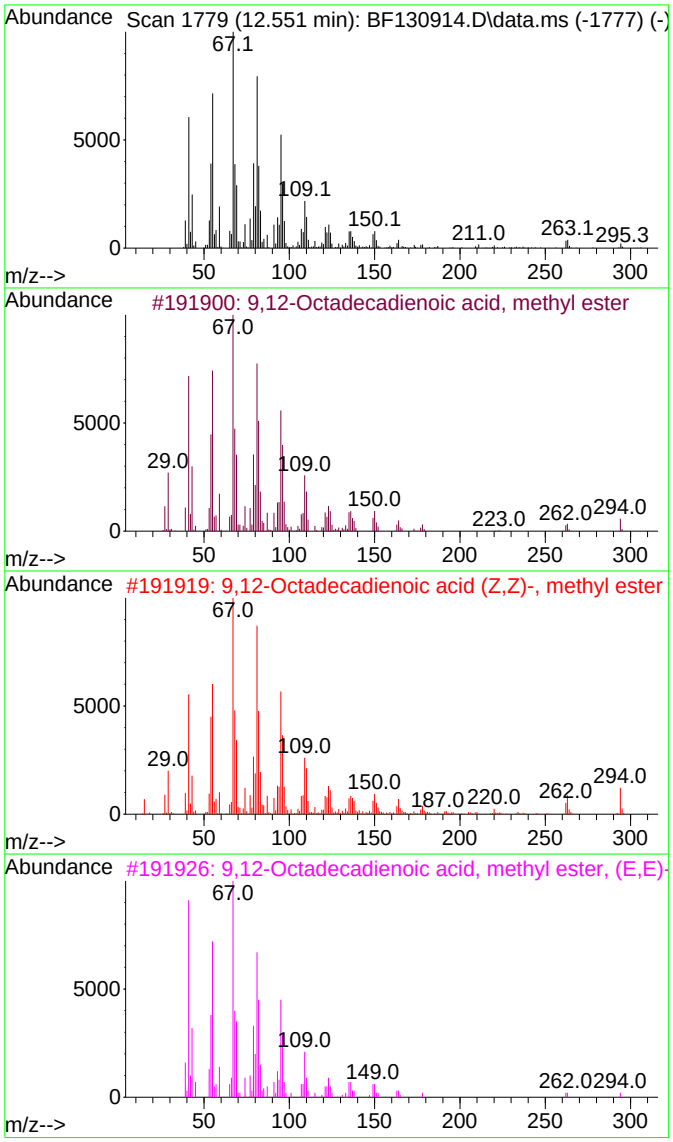
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

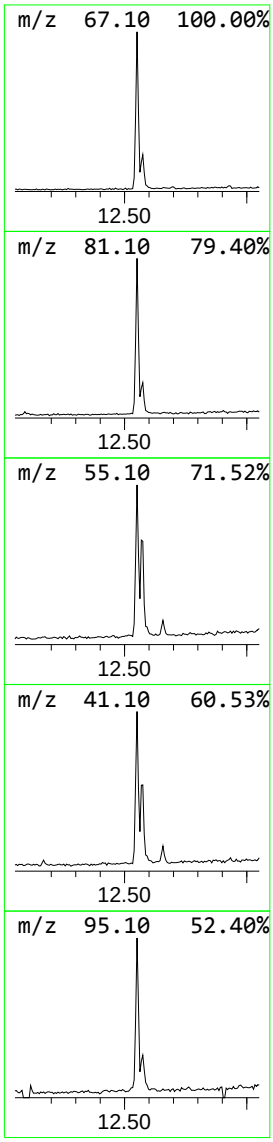
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	28.13 ng	668564	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
5	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

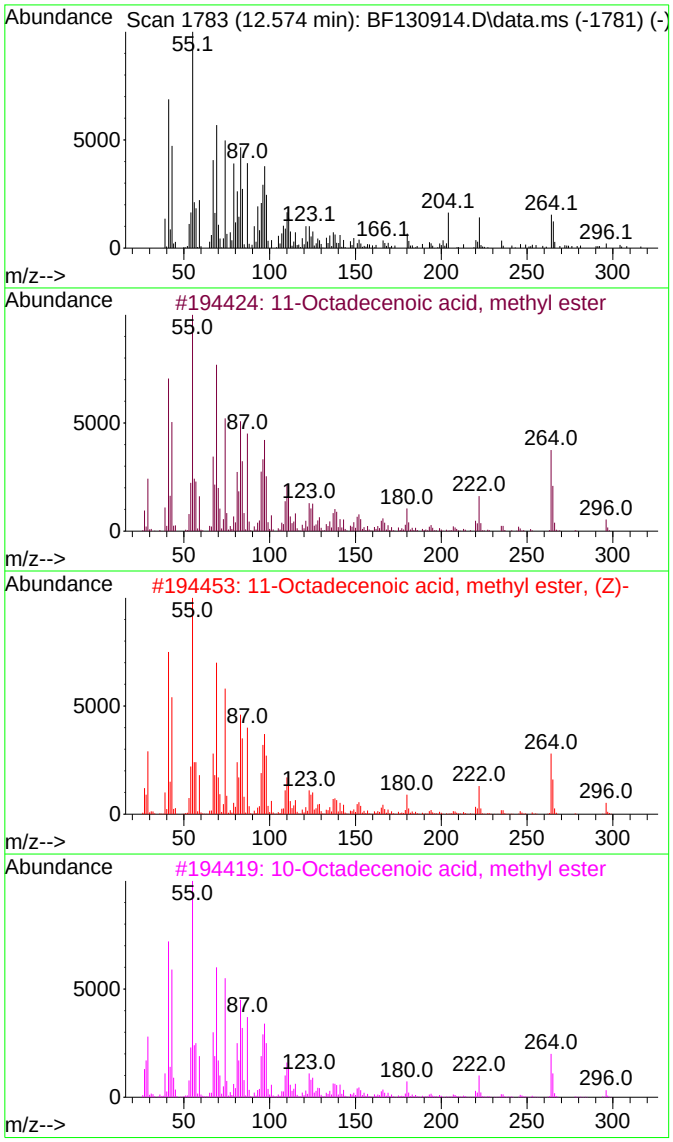
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

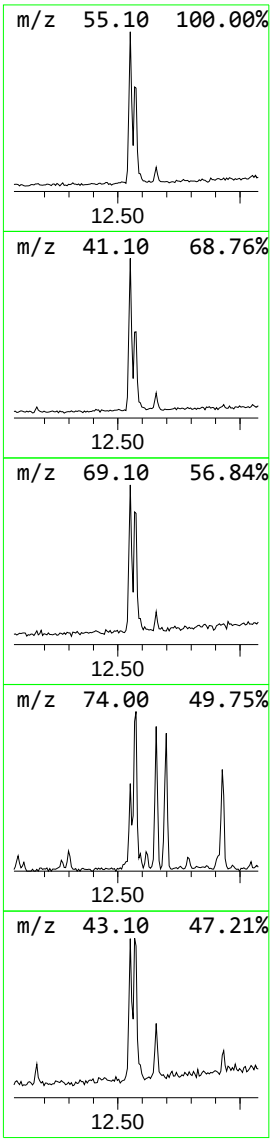
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 11-Octadecenoic acid, methy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	18.33 ng	435703	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	98





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

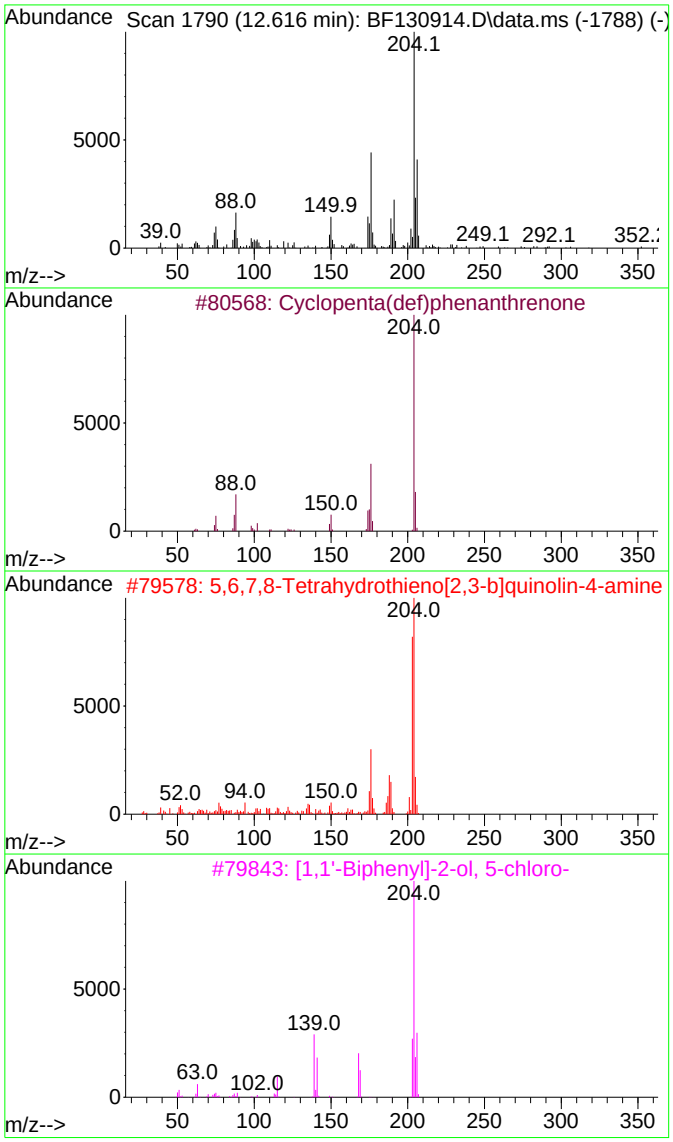
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

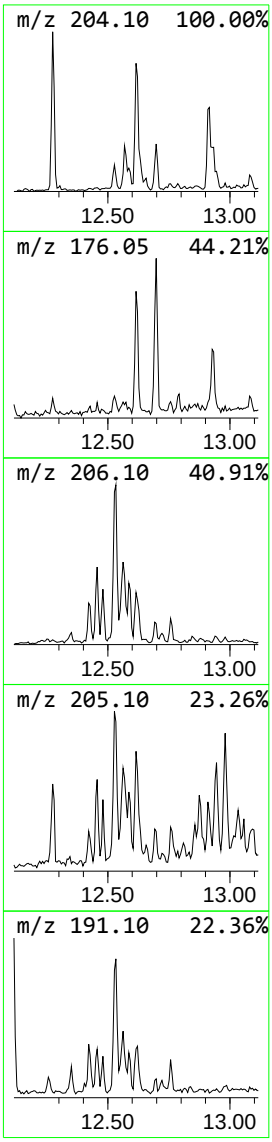
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.616	4.62 ng	109808	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

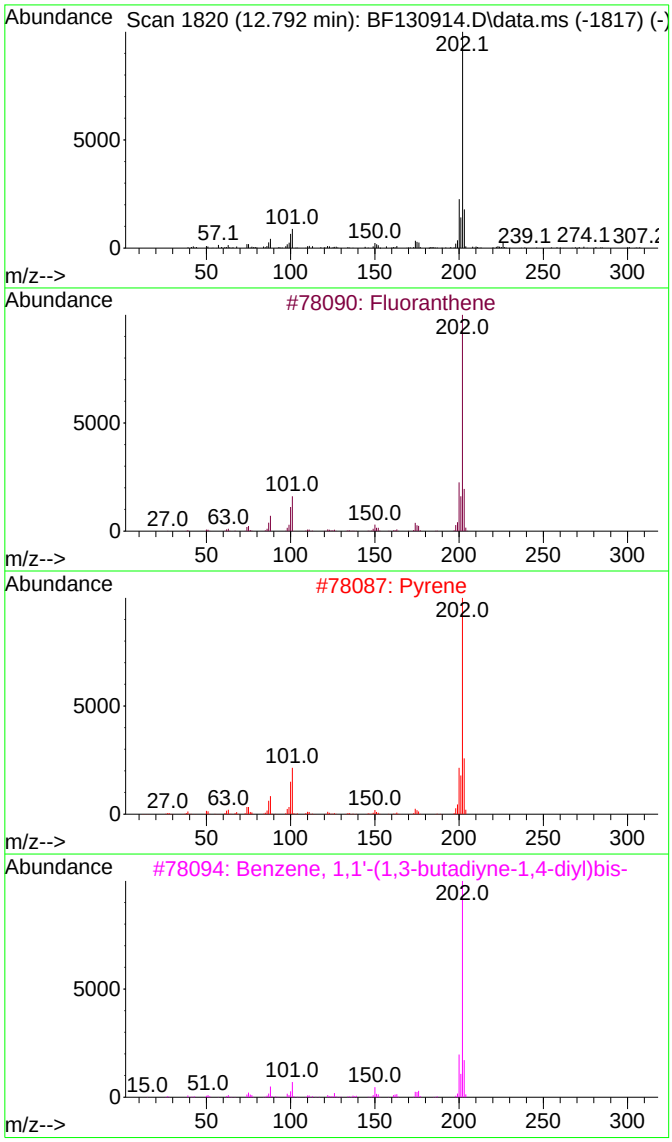
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

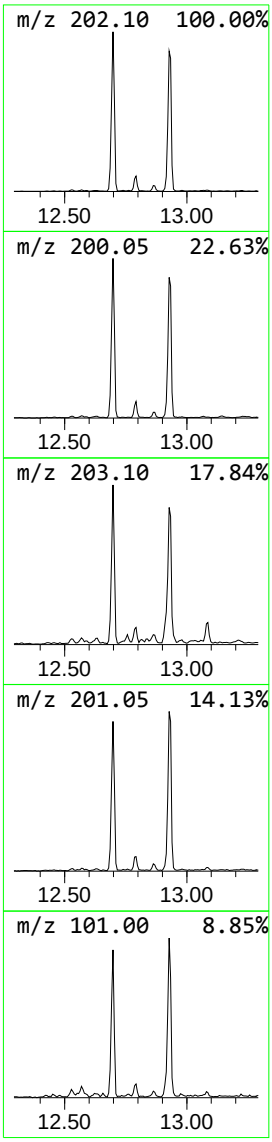
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.792	4.44 ng	105449	Phenanthrene-d10	11.475

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	81
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	46
5	Methyl 3-indolepropionate, TMS d...	275	C15H21NO2Si	056196-72-6	39





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

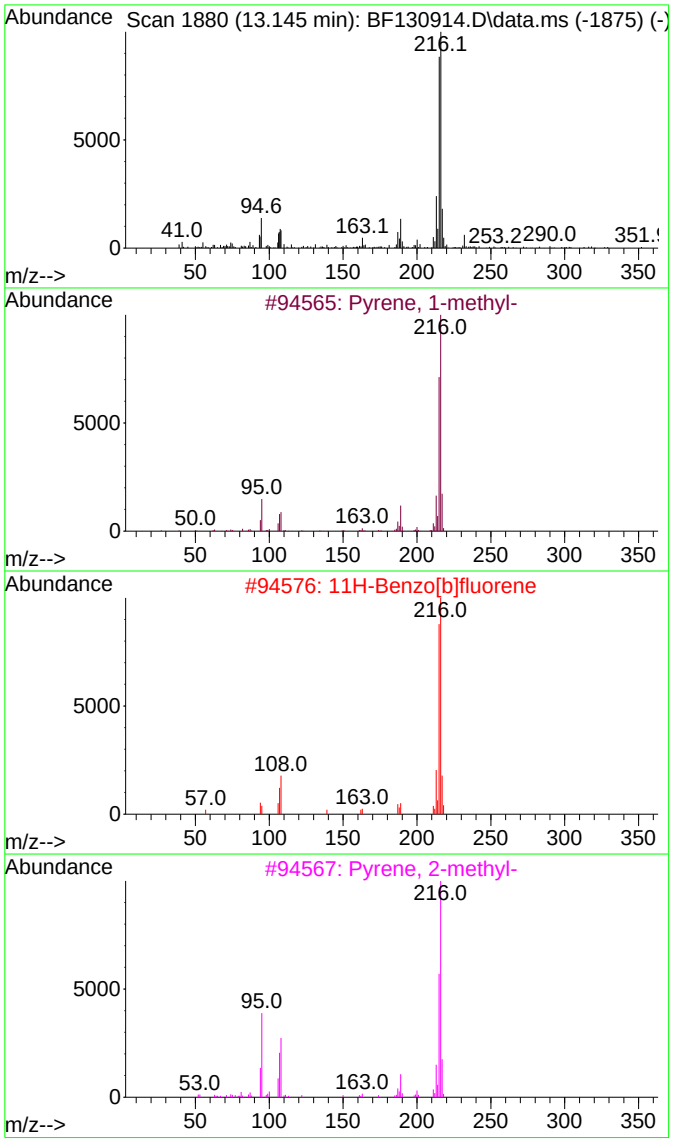
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

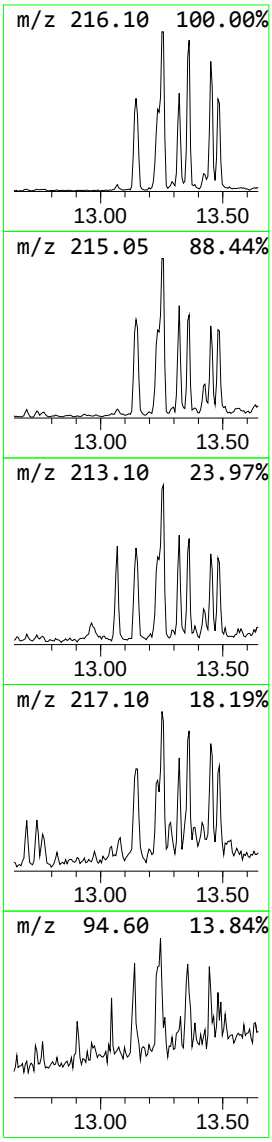
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.145	3.86 ng	227797	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

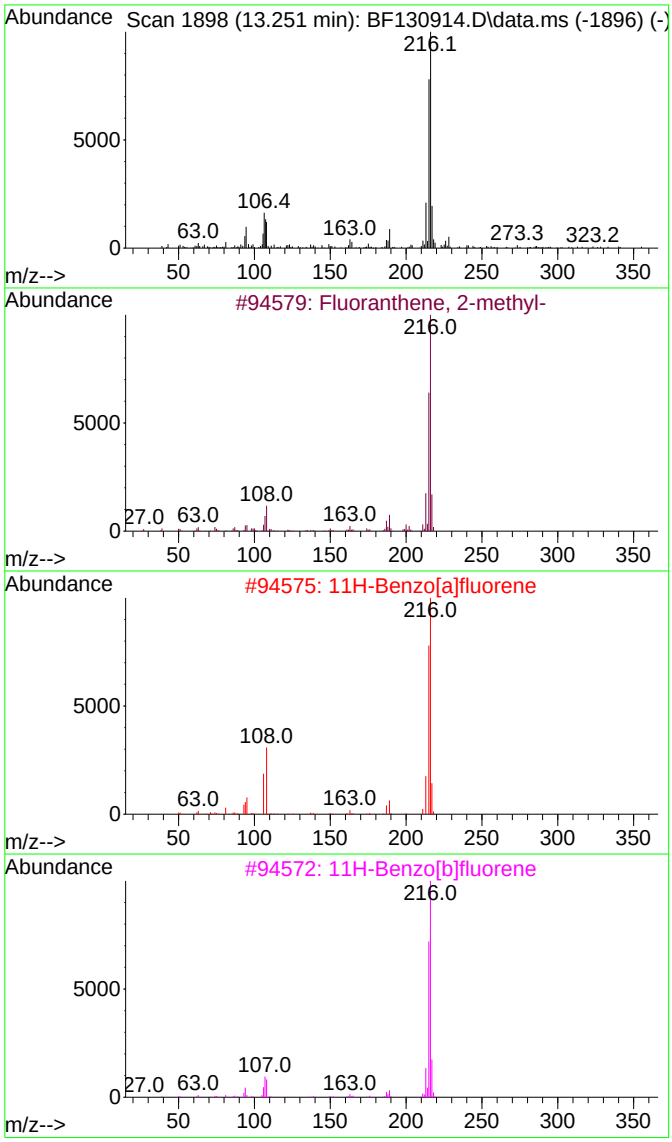
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

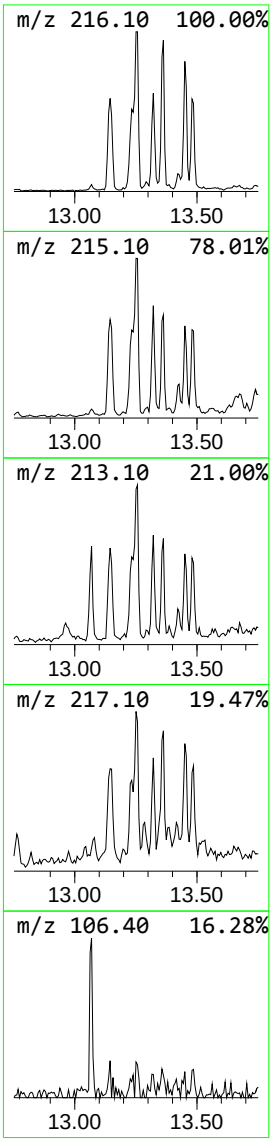
****

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	3.60 ng	212386	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

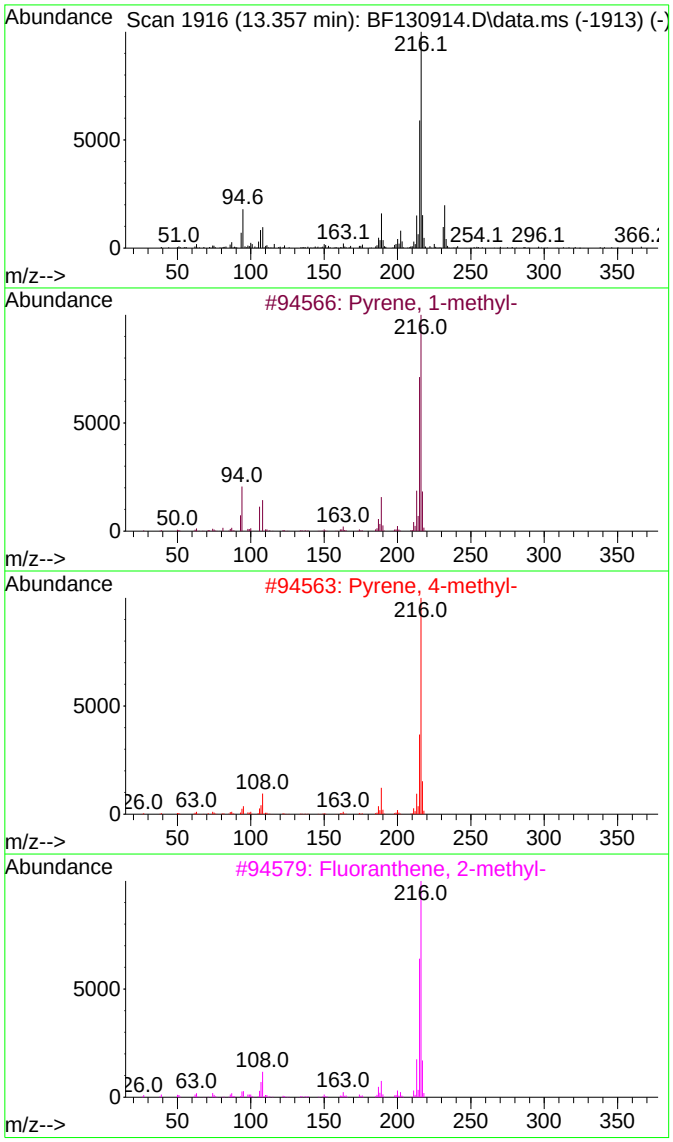
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

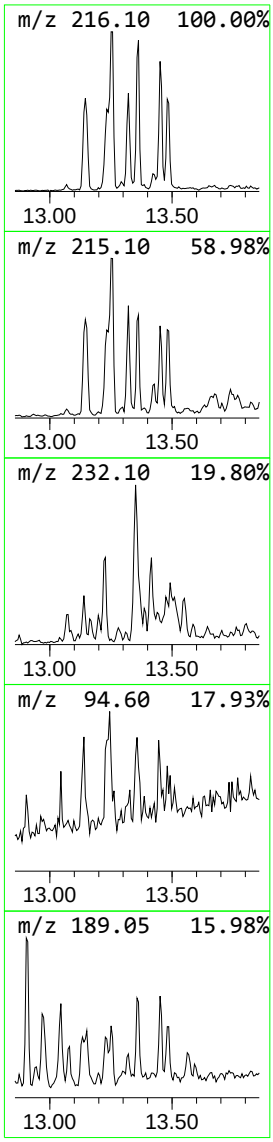
****

Peak Number 18 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.357	3.02 ng	178550	Chrysene-d12	14.127

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

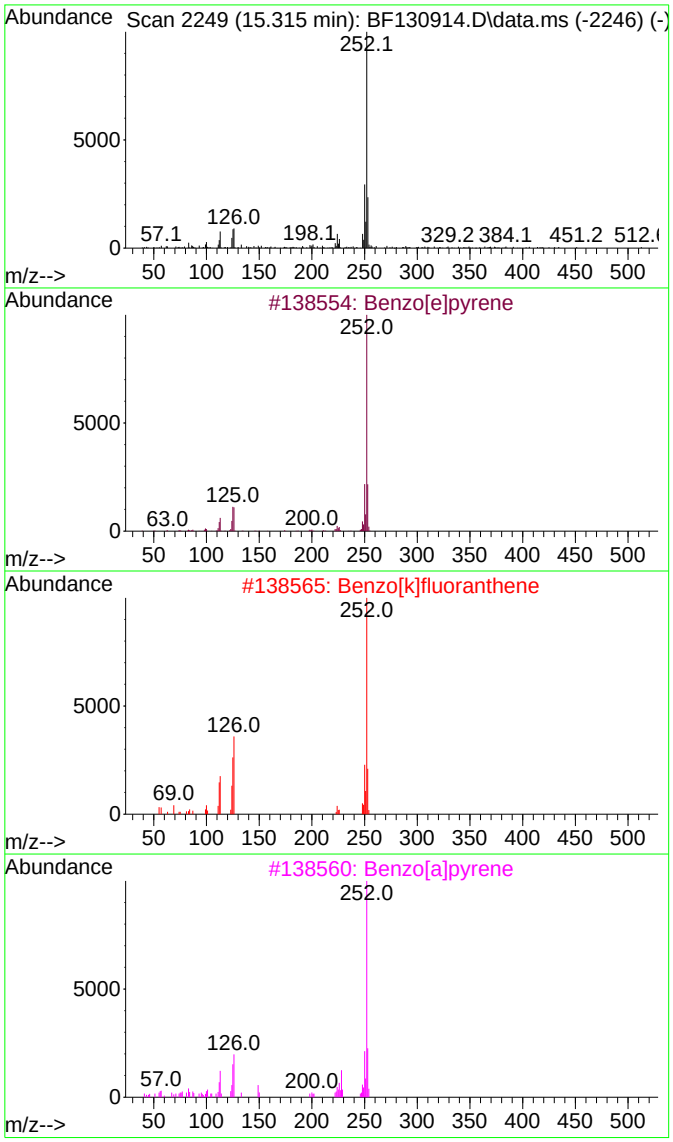
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

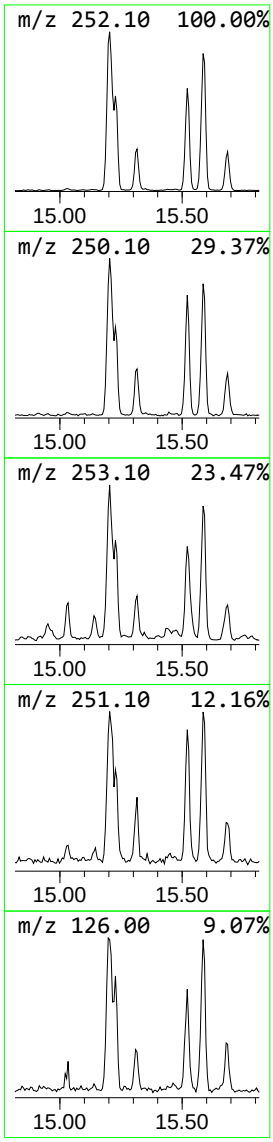
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	12.29 ng	123500	Perylene-d12	15.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

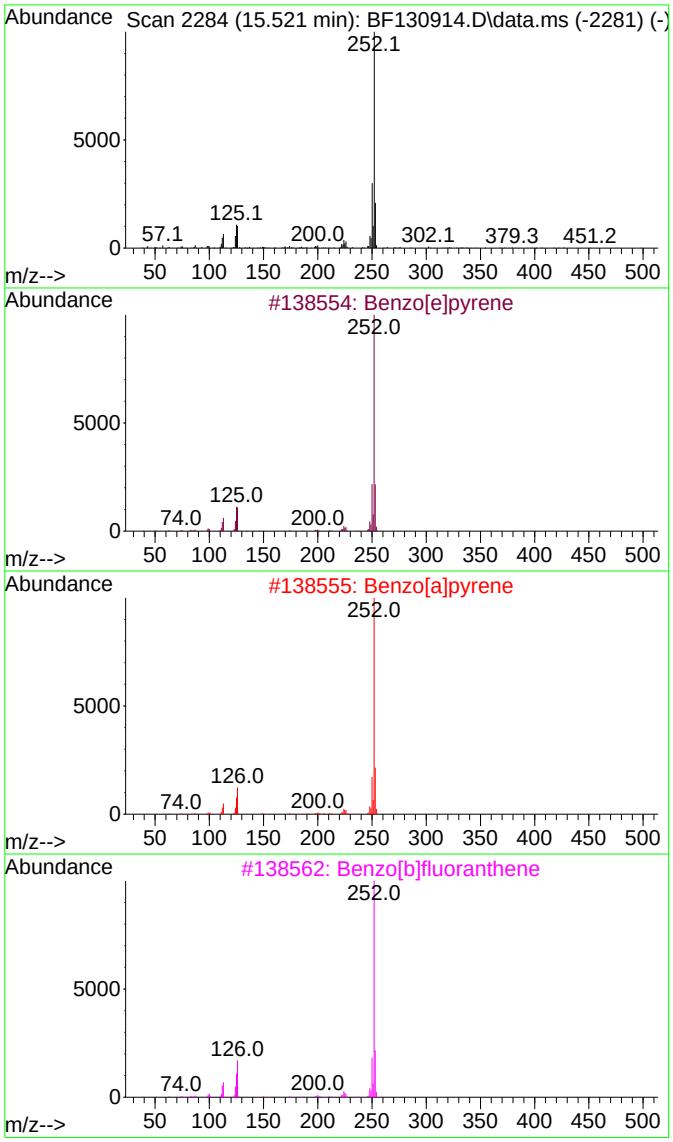
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

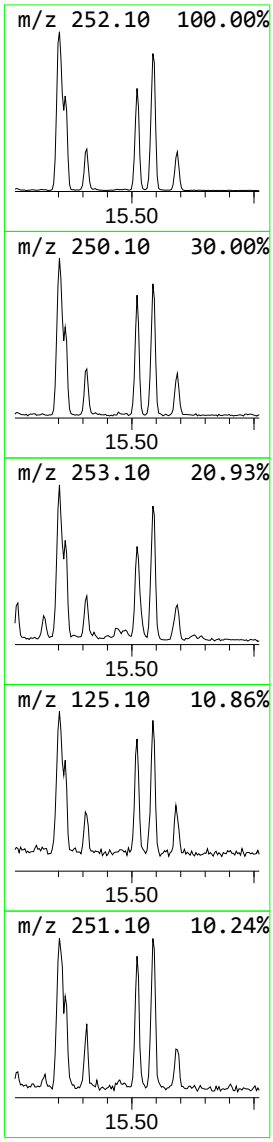
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.521	39.99 ng	401750	Perylene-d12	15.651

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130914.D
Acq On : 01 Nov 2022 22:41
Operator : CG\JU
Sample : N5393-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-4-103122

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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
Butane, 2-metho...	2.216	23.0	ng	482826	1	6.934	420494	20.0
2-Pentanone, 4-...	5.157	11.0	ng	231698	1	6.934	420494	20.0
unknown10.898	10.898	2.8	ng	65912	4	11.475	475285	20.0
Pentadecanoic a...	11.863	6.0	ng	143122	4	11.475	475285	20.0
Phenanthrene, 1...	11.980	5.9	ng	141248	4	11.475	475285	20.0
Anthracene, 2-m...	12.010	6.3	ng	150149	4	11.475	475285	20.0
Benzaldehyde, 3...	12.092	9.1	ng	215633	4	11.475	475285	20.0
Phenanthrene, 3...	12.116	3.8	ng	89959	4	11.475	475285	20.0
5,16[1',2']:8,1...	12.274	3.5	ng	83148	4	11.475	475285	20.0
9,10-Anthracene...	12.298	2.8	ng	67460	4	11.475	475285	20.0
Phenanthrene, 2...	12.533	6.8	ng	162298	4	11.475	475285	20.0
9,12-Octadecadi...	12.551	28.1	ng	668564	4	11.475	475285	20.0
11-Octadecenoic...	12.574	18.3	ng	435703	4	11.475	475285	20.0
Cyclopenta(def)...	12.616	4.6	ng	109808	4	11.475	475285	20.0
Benzene, 1,1'-(...	12.792	4.4	ng	105449	4	11.475	475285	20.0
Pyrene, 1-methyl-	13.145	3.9	ng	227797	5	14.127	1180990	20.0
Fluoranthene, 2...	13.251	3.6	ng	212386	5	14.127	1180990	20.0
Pyrene, 4-methyl-	13.357	3.0	ng	178550	5	14.127	1180990	20.0
Benzo[e]pyrene	15.315	12.3	ng	123500	6	15.651	200904	20.0
Benzo[j]fluoran...	15.521	40.0	ng	401750	6	15.651	200904	20.0