LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

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-BF122921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126419.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.822	288	295	300	rBV	14764	21669	1.24%	0.086%
2	4.357	382	386	391	rBV	99468	108398	6.19%	0.431%
3	4.987	489	493	501	rVB	312713	312201	17.82%	1.241%
4	5.398	560	563	567	rBV	924339	793456	45.30%	3.154%
5	5.804	629	632	638	rVB	22240	19625	1.12%	0.078%
6	6.416	733	736	744	rBV	940591	810279	46.26%	3.221%
7	6.798	797	801	804	rBV	1175146	986647	56.33%	3.922%
8	7.351	891	895	899	rBV	577235	494390	28.23%	1.965%
9	8.081	1015	1019	1021	rBV	1558358	1278532	72.99%	5.082%
10	8.098	1021	1022	1026	rVB	127542	89434	5.11%	0.355%
11	8.792	1137	1140	1145	rBV	57846	44285	2.53%	0.176%
12	8.892	1151	1157	1160	rBV	44868	37153	2.12%	0.148%
13	9.157	1198	1202	1205	rBV	862151	733163	41.86%	2.914%
14	9.492	1256	1259	1262	rBV	28941	25750	1.47%	0.102%
15	9.692	1291	1293	1297	rVB	29045	22333	1.28%	0.089%
16	9.833	1311	1317	1320	rBV	1382465	1111064	63.43%	4.416%
17	9.863	1320	1322	1326	rVB	259047	230970	13.19%	0.918%
18	9.992	1339	1344	1346	rBV2	24221	21268	1.21%	0.085%
19	10.039	1348	1352	1356	rVB	104230	88629	5.06%	0.352%
20	10.251	1381	1388	1396	rBV4	24124	37092	2.12%	0.147%
21	10.381	1406	1410	1416	rVB	178887	147515	8.42%	0.586%
22	10.469	1423	1425	1427	rVB	32400	21618	1.23%	0.086%
23	10.539	1435	1437	1441	rVB	33279	27671	1.58%	0.110%
24	10.616	1447	1450	1455	rVB	357808	316340	18.06%	1.257%
25	10.745	1470	1472	1482	rVB2	29407	31905	1.82%	0.127%
26	10.928	1496	1503	1506	rBV4	31769	46993	2.68%	0.187%
27	11.122	1531	1536	1541	rVB	65164	53923	3.08%	0.214%
28	11.180	1541	1546	1549	rVV3	26989	42880	2.45%	0.170%
29	11.216	1549	1552	1558	rVB	111369	97697	5.58%	0.388%
30	11.316	1566	1569	1571	rBV	953896	904522	51.64%	3.595%
31	11.345	1571	1574	1577	rVV	1660669	1375870	78.55%	5.469%
32	11.392	1579	1582	1585	rVV	464379	370958	21.18%	1.474%
33	11.427	1585	1588	1591	rVB	41255	36749	2.10%	0.146%
34	11.545	1603	1608	1612	rBV2	182098	170018	9.71%	0.676%
35	11.616	1617	1620	1623	rBV3	38504	35900	2.05%	0.143%
36	11.651	1623	1626	1630	rVB	53073	47827	2.73%	0.190%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

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-BF122921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.733	1637	1640	1645	rVB	30439	33715	1.92%	0.134%
38	11.822	1650	1655	1657	rVV	168697	159758	9.12%	0.635%
39	11.845	1657	1659	1663	rVV	204533	187948	10.73%	0.747%
40	11.892	1663	1667	1670	rVV2	73566	74235	4.24%	0.295%
41	11.933	1670	1674	1676	rVV	283031	295401	16.86%	1.174%
42	11.951	1676	1677	1682	rVB	108679	88144	5.03%	0.350%
43	12.022	1687	1689	1692	rVB2	27224	22255	1.27%	0.088%
44	12.057	1692	1695	1697	rBV3	19156	18492	1.06%	0.074%
45	12.116	1702	1705	1707	rVV	137470	119848	6.84%	0.476%
46	12.139	1707	1709	1716	rVB2	100943	94133	5.37%	0.374%
47	12.192	1716	1718	1721	rBV	22092	23131	1.32%	0.092%
48	12.263	1728	1730	1733	rVB2	42310	35446	2.02%	0.141%
49	12.298	1733	1736	1737	rBV	33887	27891	1.59%	0.111%
50	12.316	1737	1739	1742	rVB2	31278	30290	1.73%	0.120%
51	12.369	1744	1748	1751	rBV	90962	100600	5.74%	0.400%
52	12.410	1751	1755	1757	rVV3	55258	69464	3.97%	0.276%
53	12.451	1760	1762	1767	rBV3	78873	86093	4.92%	0.342%
54	12.533	1772	1776	1779	rVV	1822608	1570645	89.67%	6.243%
55	12.592	1779	1786	1789	rVB3	37581	59662	3.41%	0.237%
56	12.680	1794	1801	1808	rBV2	83082	146376	8.36%	0.582%
57	12.763	1808	1815	1818	rBV	1584769	1751567	100.00%	6.962%
58	12.810	1820	1823	1828	rVB2	64690	81230	4.64%	0.323%
59	12.880	1831	1835	1836	rBV	96946	96948	5.53%	0.385%
60	12.904	1836	1839	1845	rVB2	634003	637922	36.42%	2.536%
61	12.980	1846	1852	1855	rBV3	95009	158970	9.08%	0.632%
62	13.004	1855	1856	1859	rVB	48386	35812	2.04%	0.142%
63	13.033	1859	1861	1862	rBV2	25862	21109	1.21%	0.084%
64	13.063	1863	1866	1867	rBV2	72334	59711	3.41%	0.237%
65	13.086	1867	1870	1873	rVB	247346	227840	13.01%	0.906%
66	13.122	1873	1876	1878	rBV3	26031	34410	1.96%	0.137%
67	13.151	1878	1881	1884	rBV	181603	152416	8.70%	0.606%
68	13.192	1884	1888	1890	rBV	160269	178439	10.19%	0.709%
69	13.216	1890	1892	1895	rVV2	79825	72465	4.14%	0.288%
70	13.245	1895	1897	1900	rVB2	28331	24495	1.40%	0.097%
71	13.280	1900	1903	1906	rVB	87231	78620	4.49%	0.312%
72	13.316	1906	1909	1912	rBV	90956	91180	5.21%	0.362%
73	13.392	1919	1922	1926	rVB4	31454	37382	2.13%	0.149%
74	13.533	1945	1946	1949	rVB3	28828	23520	1.34%	0.093%
75	13.592	1949	1956	1960	rBV	109969	162083	9.25%	0.644%
76	13.704	1971	1975	1978	rBV2	144337	193677	11.06%	0.770%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

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-BF122921.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.733	1978	1980	1982	rVV	151451	129400	7.39%	0.514%
78	13.757	1982	1984	1988	rVV2	120741	165621	9.46%	0.658%
79	13.798	1989	1991	1996	rVB	114115	110387	6.30%	0.439%
80	13.874	2002	2004	2007	rVB	31597	26400	1.51%	0.105%
81	13.951	2010	2017	2020	rBV2	1149850	1683893	96.14%	6.693%
82	13.980	2020	2022	2029	rVB	750513	705805	40.30%	2.805%
83	14.063	2033	2036	2038	rVB	133032	107626	6.14%	0.428%
84	14.145	2047	2050	2052	rVB2	56381	55661	3.18%	0.221%
85	14.180	2052	2056	2059	rVB2	75441	83607	4.77%	0.332%
86	14.304	2075	2077	2079	rBV	41824	38537	2.20%	0.153%
87	14.345	2081	2084	2086	rVV	121511	116156	6.63%	0.462%
88	14.374	2087	2089	2093	rVB	73769	63131	3.60%	0.251%
89	14.433	2097	2099	2102	rVV2	76496	76624	4.37%	0.305%
90	14.463	2102	2104	2106	rVV	69540	68526	3.91%	0.272%
91	14.486	2106	2108	2112	rVB3	83382	87877	5.02%	0.349%
92	14.986	2188	2193	2196	rBV	489998	805367	45.98%	3.201%
93	15.086	2208	2210	2213	rVB	115581	107394	6.13%	0.427%
94	15.274	2238	2242	2248	rVB	312144	393698	22.48%	1.565%
95	15.333	2248	2252	2258	rVB	450362	556661	31.78%	2.213%
96	15.398	2259	2263	2266	rBV	445373	545804	31.16%	2.169%
97	15.427	2266	2268	2275	rVB2	144086	194530	11.11%	0.773%
98	16.810	2498	2503	2512	rVB2	184313	365053	20.84%	1.451%
99	17.239	2571	2576	2585	rVB	150297	313183	17.88%	1.245%

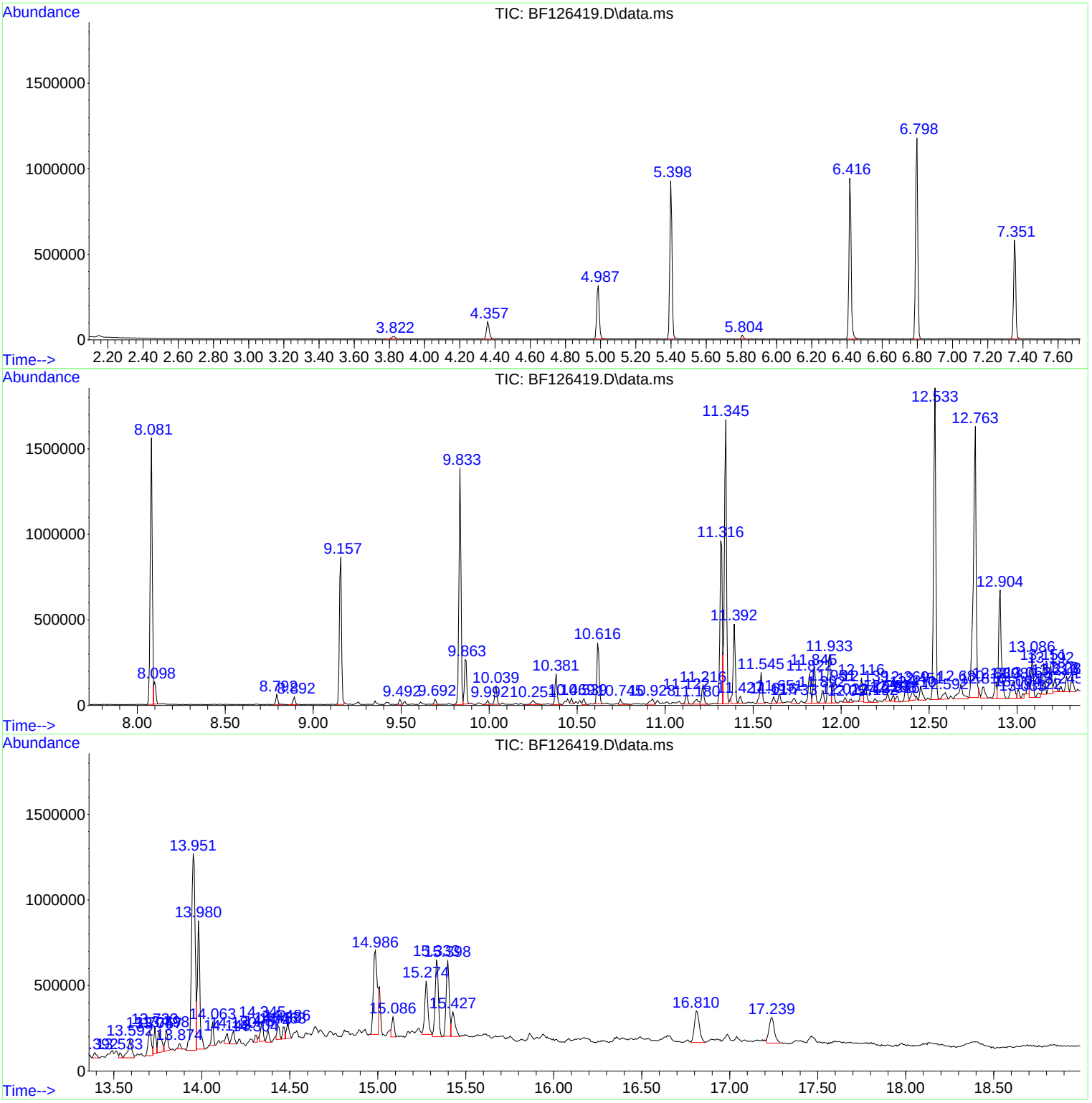
Sum of corrected areas: 25158988

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.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\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

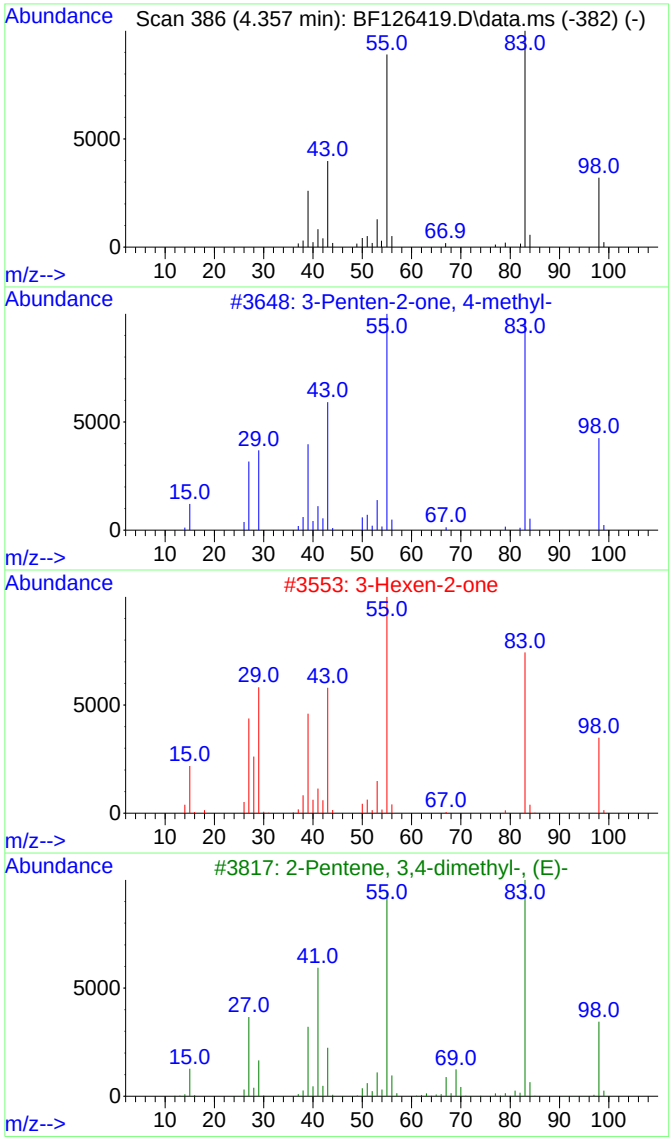
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

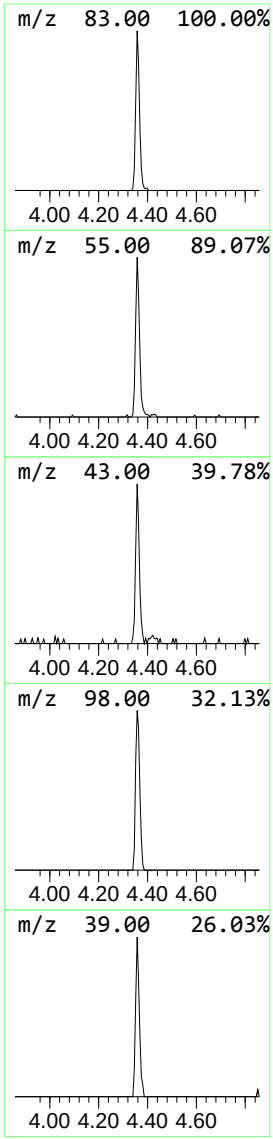
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.357	2.20 ng	108398	1,4-Dichlorobenzene-d4	6.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

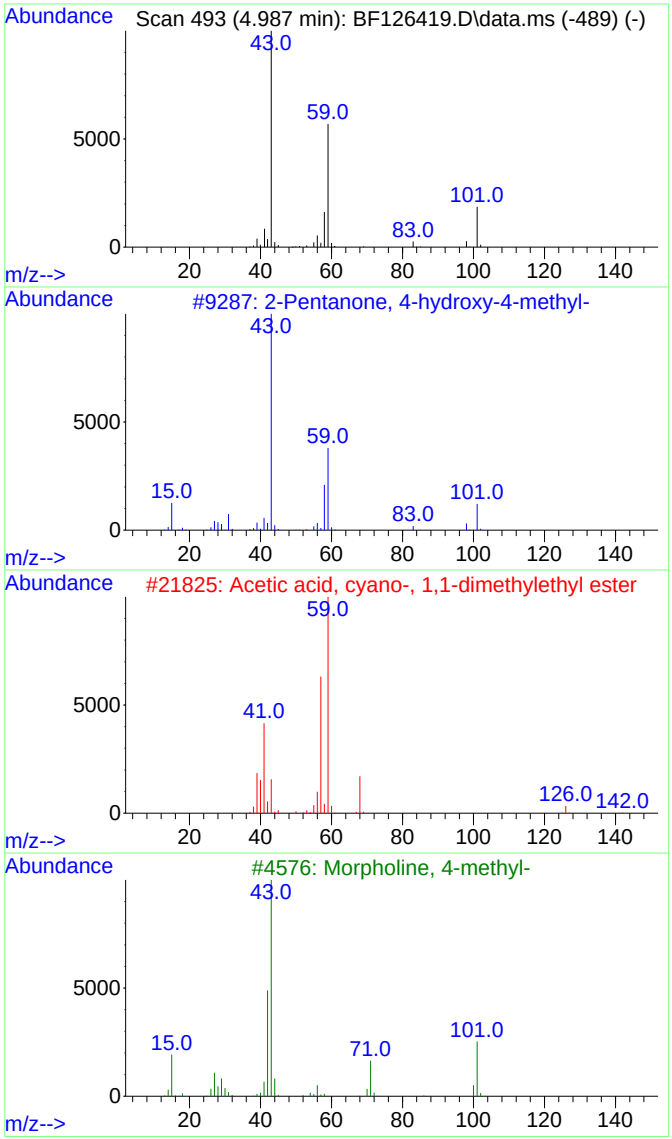
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

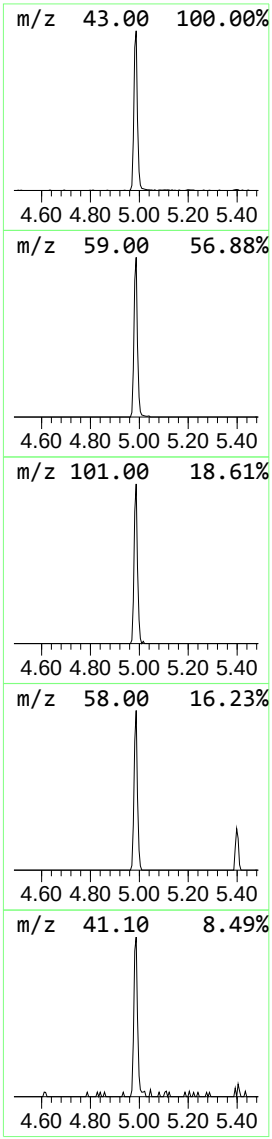
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.987	6.33 ng	312201	1,4-Dichlorobenzene-d4	6.798

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, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
5	2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

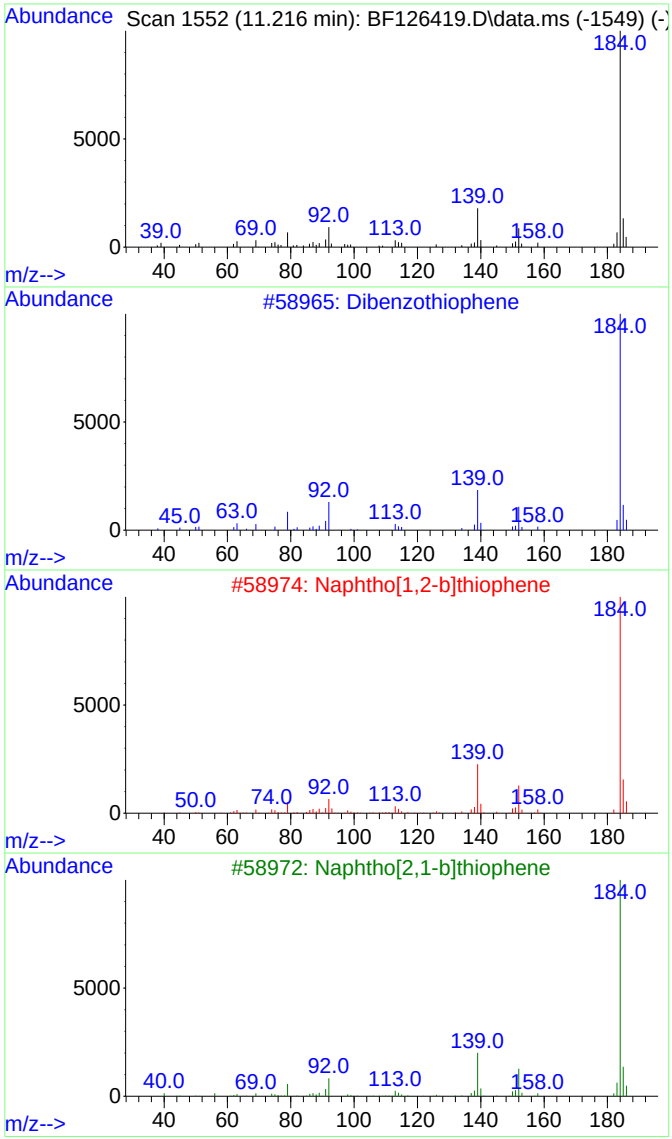
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

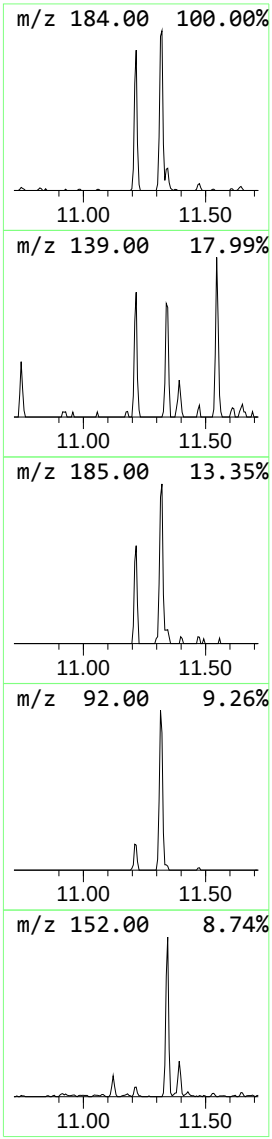
****

Peak Number 3 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	2.16 ng	97697	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

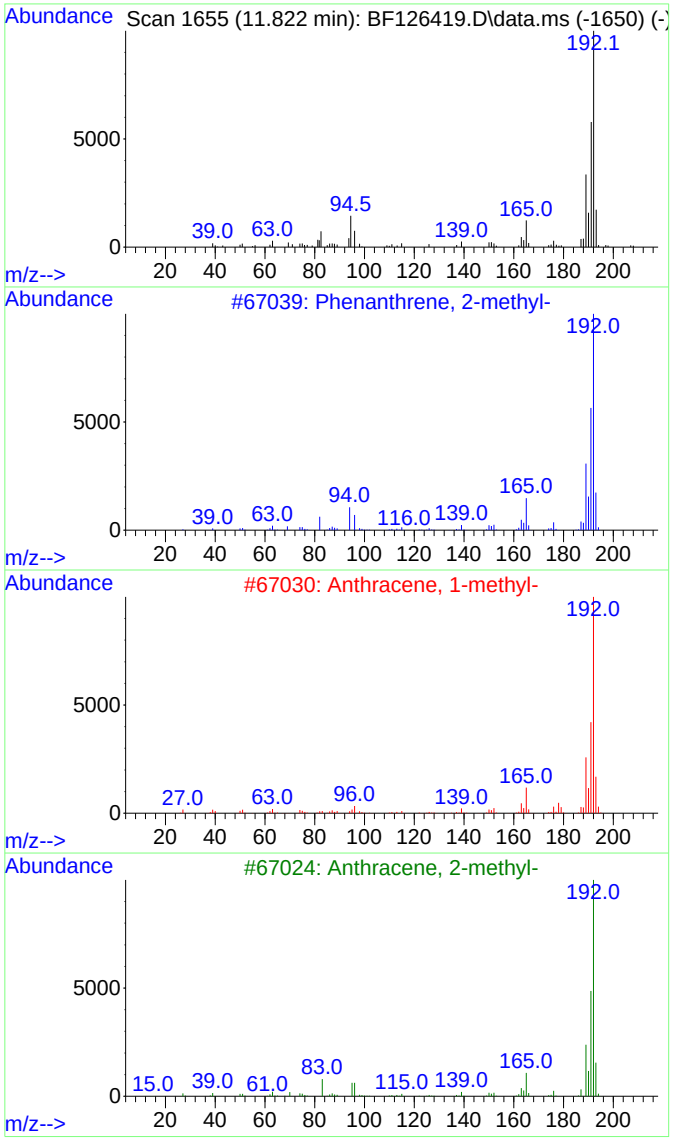
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

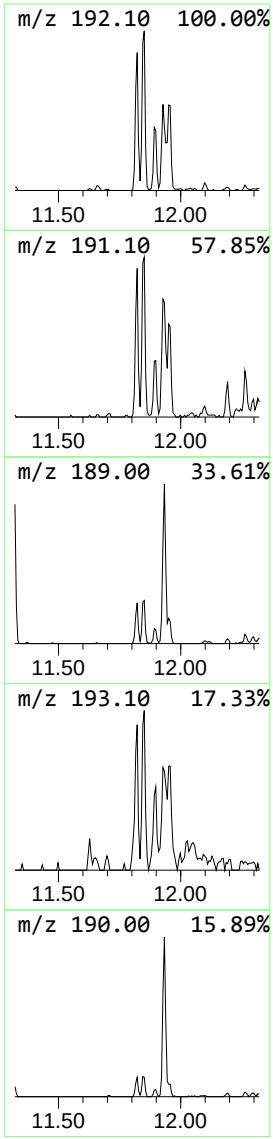
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	3.53 ng	159758	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, 1-methyl-	192	C15H12	000610-48-0	95
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	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126419.D
Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

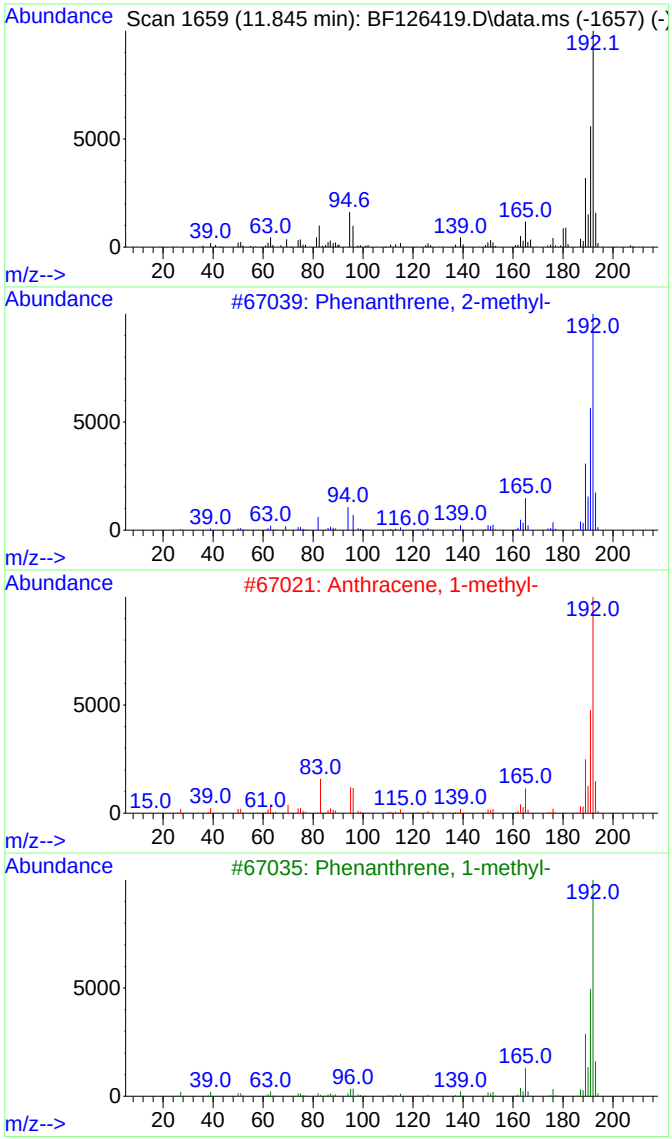
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

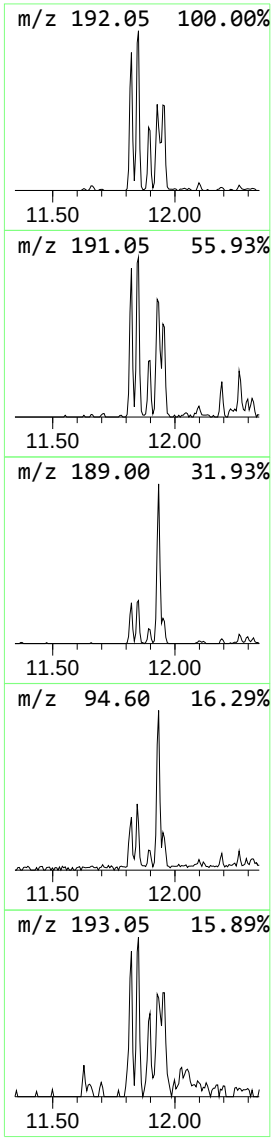
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	4.16 ng	187948	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

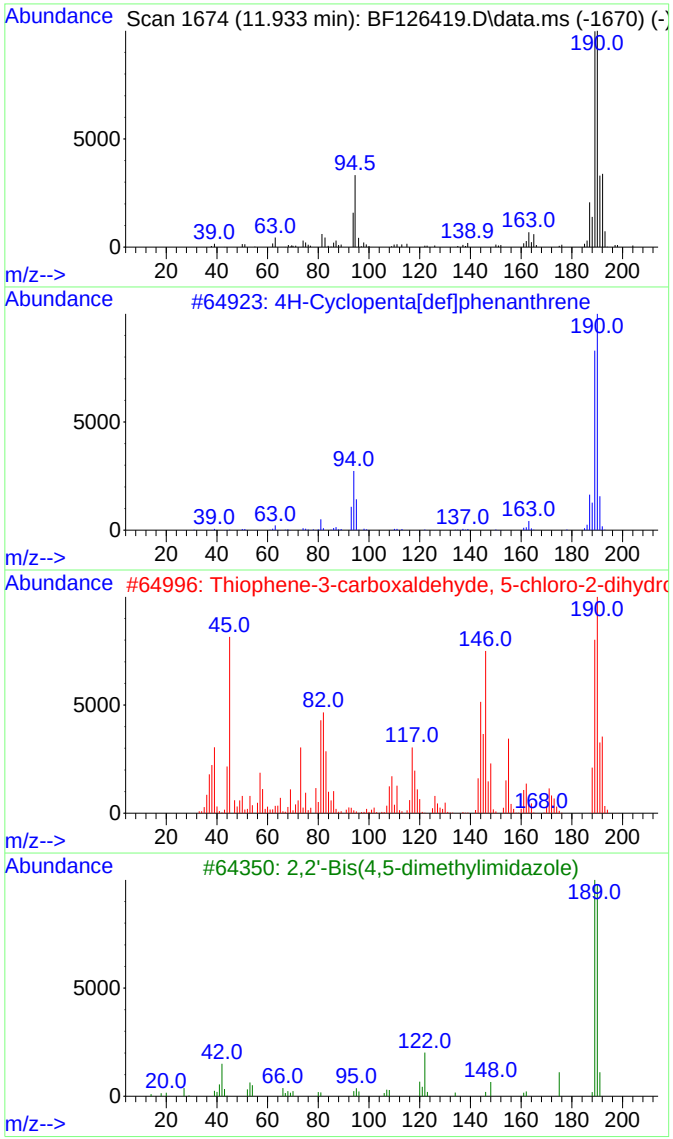
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

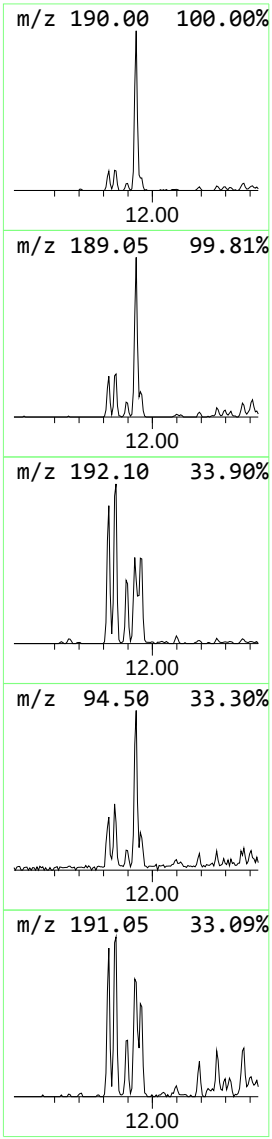
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	6.53 ng	295401	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	17





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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

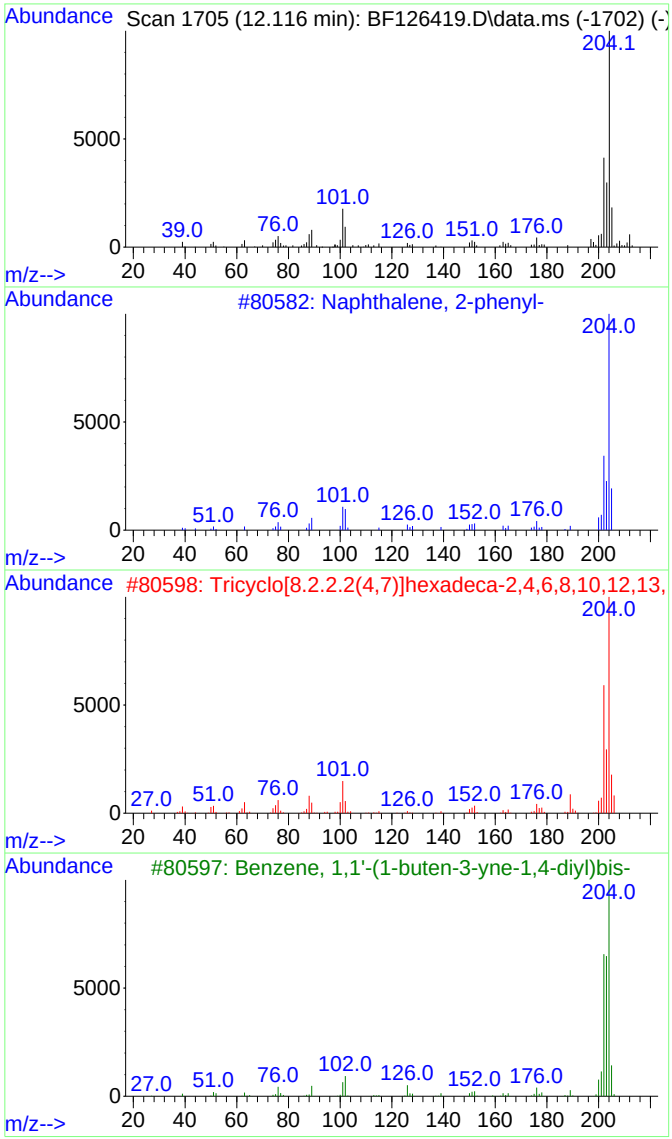
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

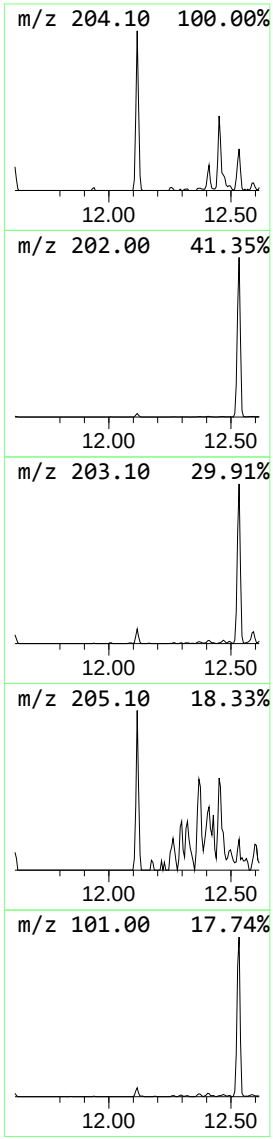
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.116	2.65 ng	119848	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
3	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.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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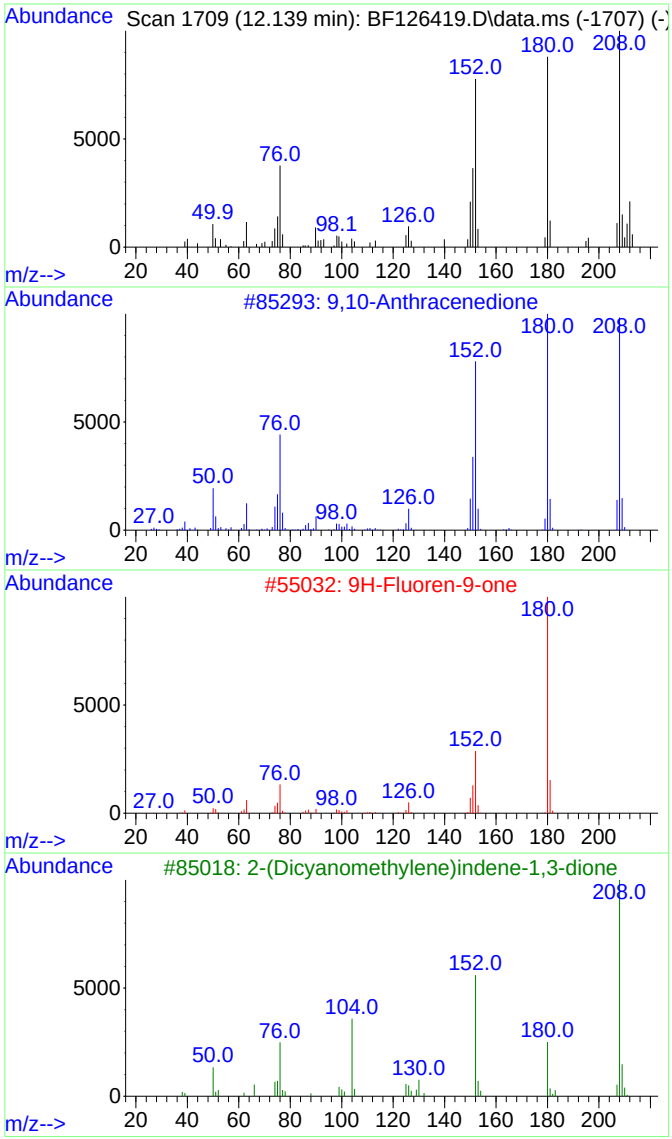
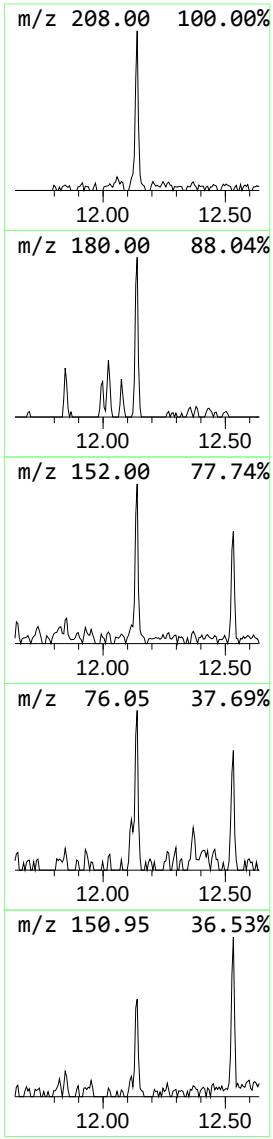
Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	2.08 ng	94133	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
3	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	47





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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SASP2-123-1-5-10

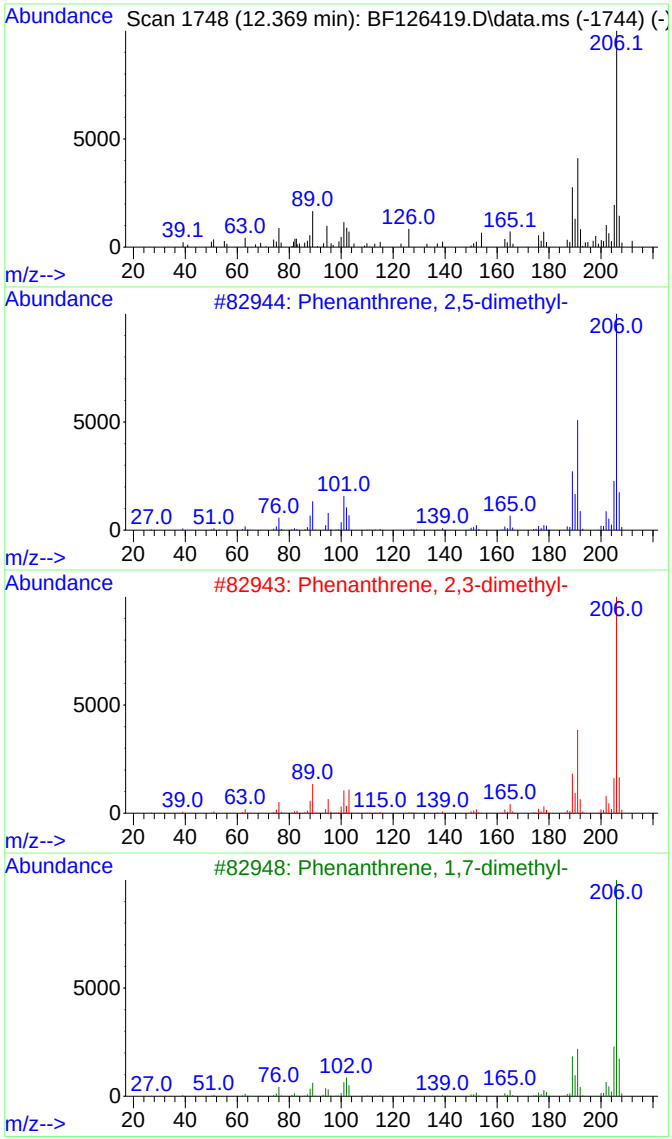
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

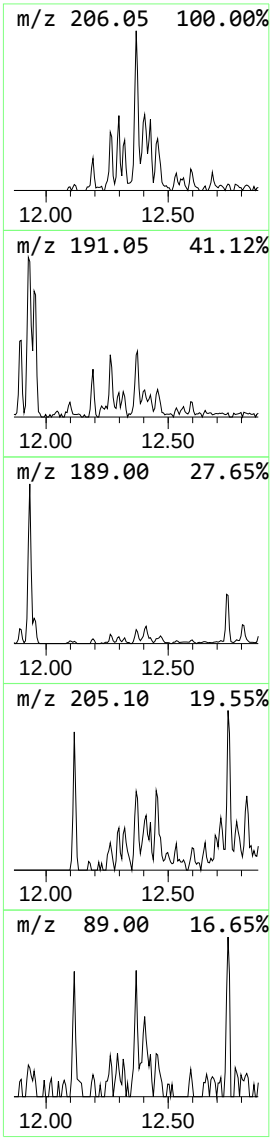
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	2.22 ng	100600	Phenanthrene-d10	11.322

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





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Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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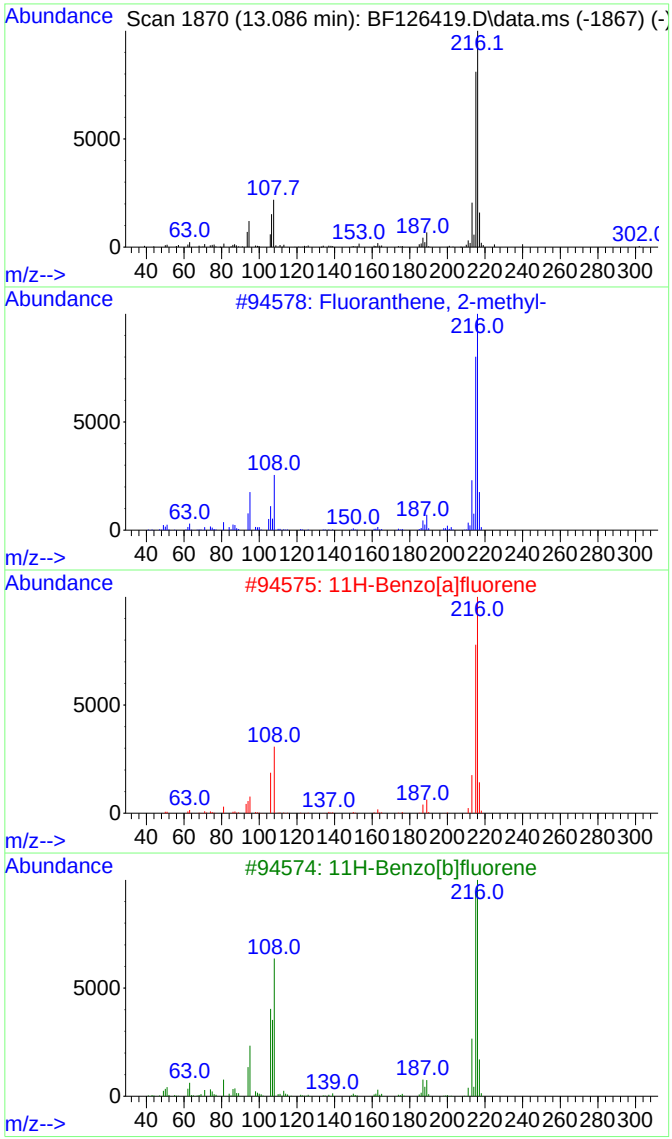
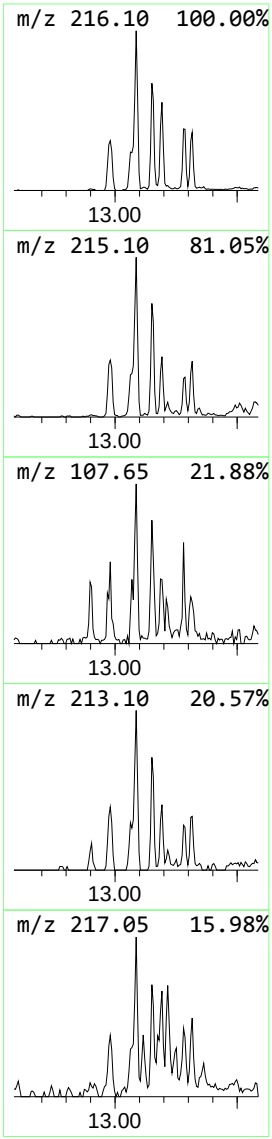
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.086	2.71 ng	227840	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	68





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Acq On : 30 Dec 2021 14:47
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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.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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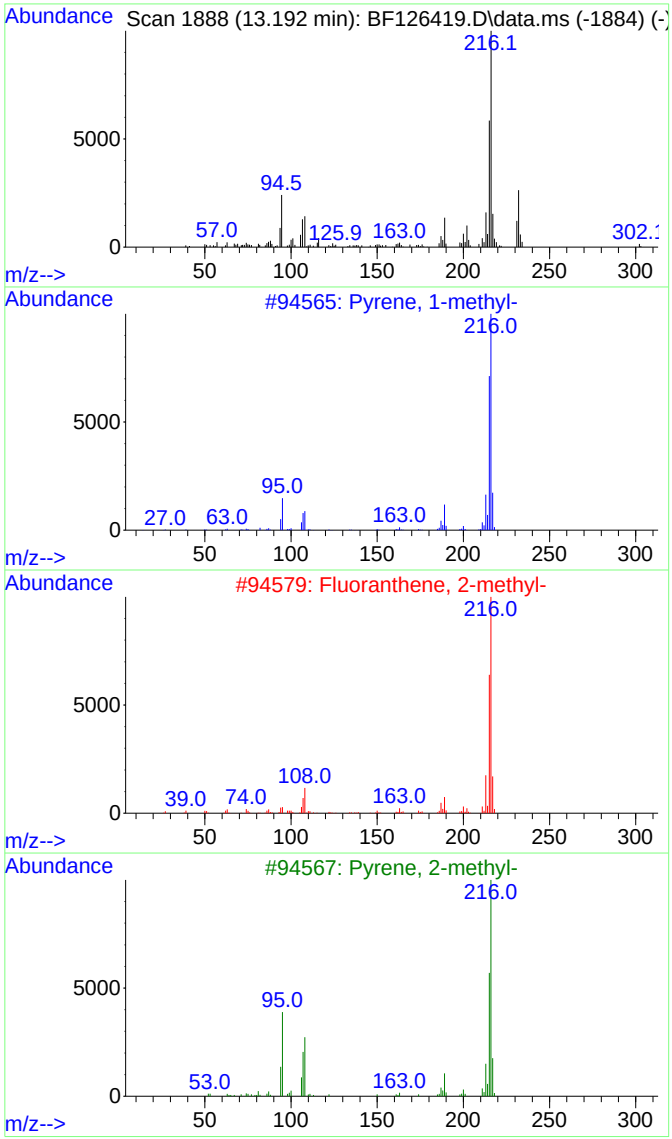
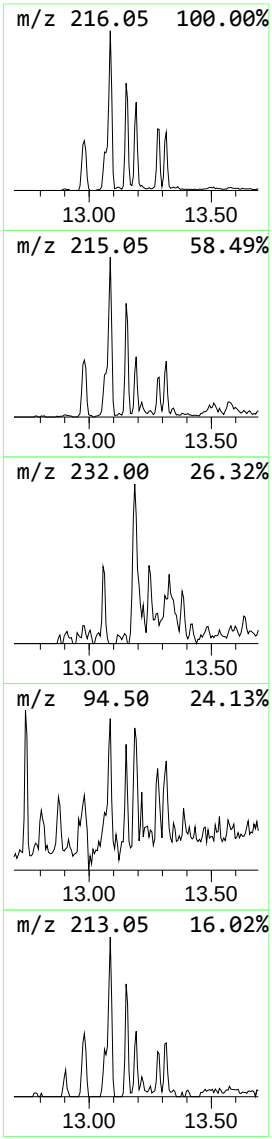
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	2.12 ng	178439	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.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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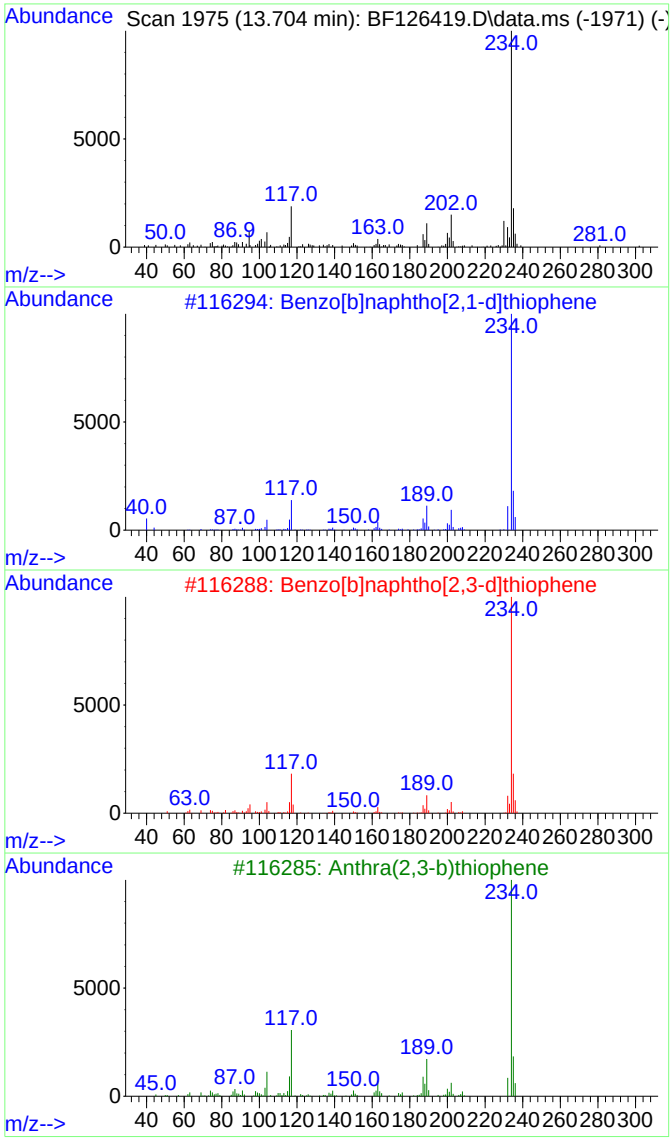
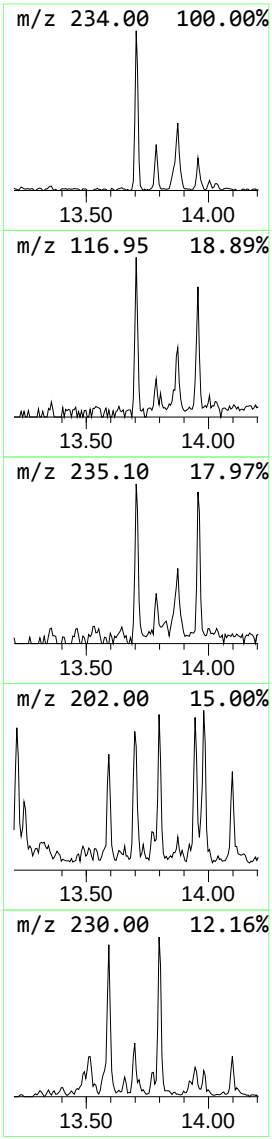
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.704	2.30 ng	193677	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53





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Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SASP2-123-1-5-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.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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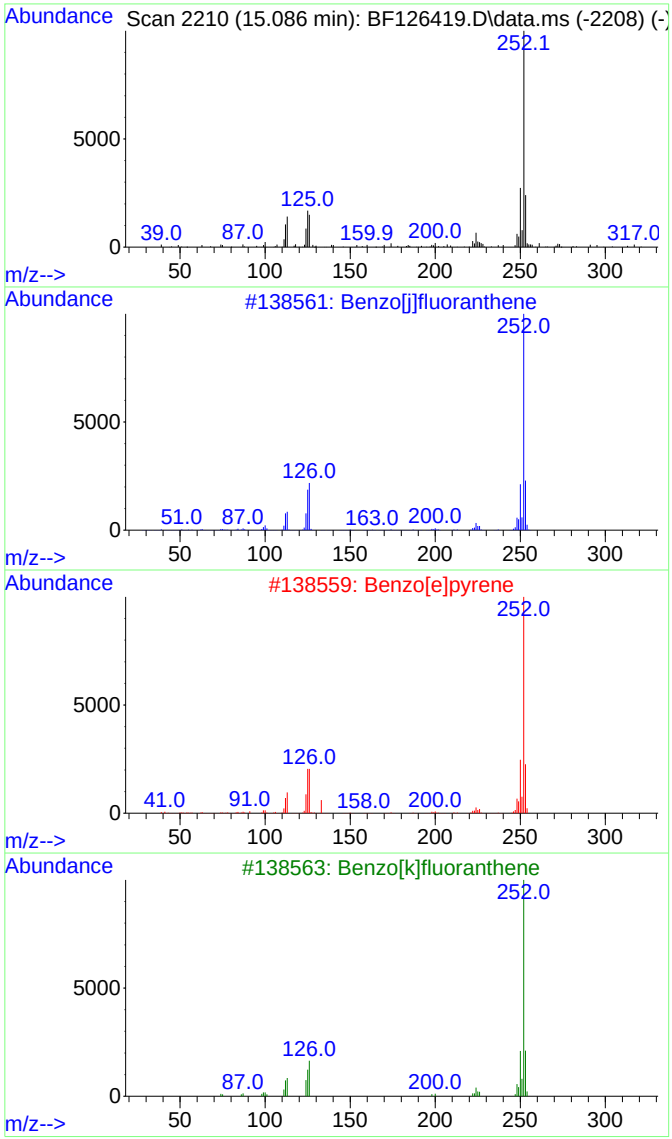
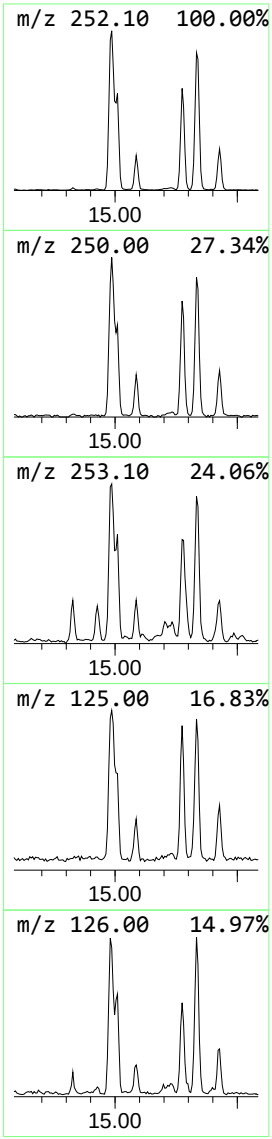
Peak Number 13 Benzo[j]fluoranthene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.086	3.94 ng	107394	Perylene-d12	15.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





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Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SASP2-123-1-5-10

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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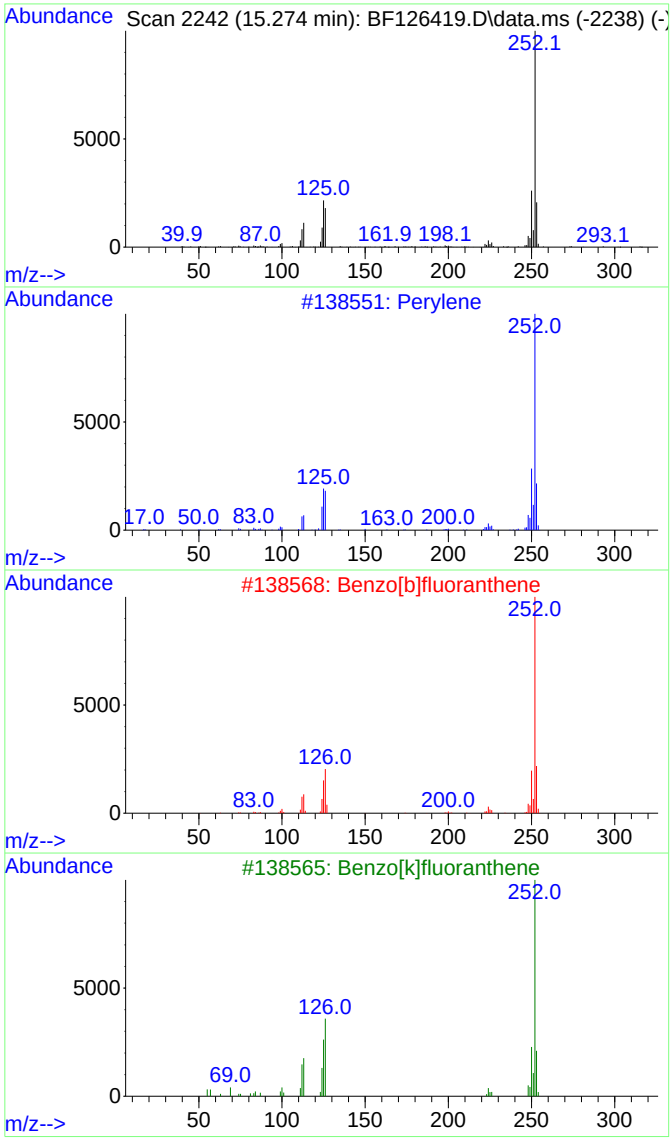
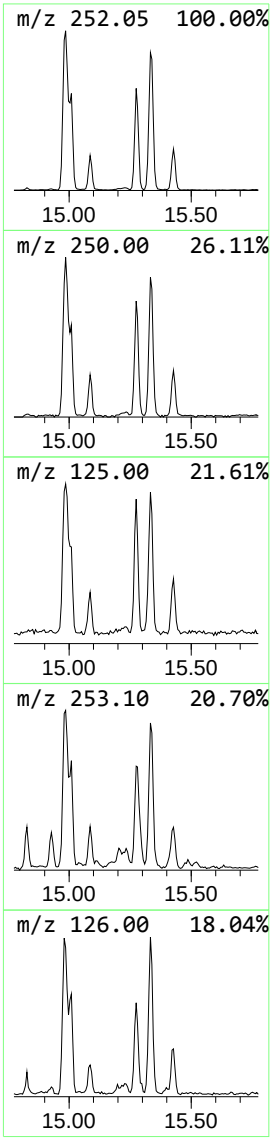
Peak Number 14 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.274	14.43 ng	393698	Perylene-d12	15.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[e]pyrene	252	C20H12	000192-97-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

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Acq On : 30 Dec 2021 14:47
Operator : JU/CG
Sample : M5239-02 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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SASP2-123-1-5-10

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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
3-Penten-2-one,...	4.357	2.2	ng	108398	1	6.798	986647	20.0
2-Pentanone, 4-...	4.987	6.3	ng	312201	1	6.798	986647	20.0
Dibenzothiophene	11.216	2.2	ng	97697	4	11.322	904522	20.0
Anthracene, 1-m...	11.822	3.5	ng	159758	4	11.322	904522	20.0
Phenanthrene, 2...	11.845	4.2	ng	187948	4	11.322	904522	20.0
4H-Cyclopenta[d...	11.933	6.5	ng	295401	4	11.322	904522	20.0
Naphthalene, 2-...	12.116	2.6	ng	119848	4	11.322	904522	20.0
9,10-Anthracene...	12.139	2.1	ng	94133	4	11.322	904522	20.0
Phenanthrene, 2...	12.369	2.2	ng	100600	4	11.322	904522	20.0
Fluoranthene, 2...	13.086	2.7	ng	227840	5	13.957	1683890	20.0
Pyrene, 1-methyl-	13.192	2.1	ng	178439	5	13.957	1683890	20.0
Benzo[b]naphtho...	13.704	2.3	ng	193677	5	13.957	1683890	20.0
Benzo[j]fluoran...	15.086	3.9	ng	107394	6	15.398	545804	20.0
Perylene	15.274	14.4	ng	393698	6	15.398	545804	20.0