LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.045	500	503	517	rVB	213991	241127	1.45%	0.365%
2	5.463	571	574	591	rBV	1259842	1281454	7.70%	1.939%
3	6.486	744	748	764	rBV	1264282	1399540	8.41%	2.118%
4	6.622	767	771	778	rBV	1844896	1502999	9.03%	2.274%
5	6.851	806	810	818	rBV	1047478	826894	4.97%	1.251%
6	7.010	833	837	846	rBV	1230294	1182218	7.10%	1.789%
7	7.416	902	906	916	rBV	877681	840993	5.05%	1.272%
8	8.139	1025	1029	1036	rVB	1219778	1024780	6.15%	1.551%
9	9.216	1208	1212	1221	rBV	2220491	1817609	10.92%	2.750%
10	9.610	1276	1279	1287	rVB2	166254	230503	1.38%	0.349%
11	9.763	1302	1305	1308	rBV	331365	295840	1.78%	0.448%
12	9.898	1325	1328	1332	rBV	1322553	1152666	6.92%	1.744%
13	10.451	1419	1422	1428	rVB2	132936	170526	1.02%	0.258%
14	10.692	1457	1463	1474	rBV	1173590	1119449	6.72%	1.694%
15	10.904	1494	1499	1505	rBV2	175338	204436	1.23%	0.309%
16	11.392	1579	1582	1585	rBV	1223638	1236011	7.42%	1.870%
17	11.416	1585	1586	1590	rVV	853592	684186	4.11%	1.035%
18	11.469	1592	1595	1598	rVB	281284	240018	1.44%	0.363%
19	11.780	1644	1648	1651	rBV	4240726	3667794	22.03%	5.550%
20	11.898	1664	1668	1670	rBV	337217	320378	1.92%	0.485%
21	11.927	1670	1673	1677	rVV	495890	528114	3.17%	0.799%
22	11.974	1678	1681	1684	rVV	160662	171231	1.03%	0.259%
23	12.010	1684	1687	1689	rVV2	514326	554263	3.33%	0.839%
24	12.033	1689	1691	1695	rVB	301946	252580	1.52%	0.382%
25	12.480	1758	1767	1768	rBV2	8626617	9896643	59.44%	14.974%
26	12.510	1768	1772	1776	rVV	13824439	16650803	100.00%	25.194%
27	12.545	1776	1778	1781	rVV2	382605	374168	2.25%	0.566%
28	12.580	1781	1784	1787	rVB	2007792	1691536	10.16%	2.559%
29	12.616	1787	1790	1795	rBV	1838382	1669870	10.03%	2.527%
30	12.851	1824	1830	1836	rVB	1803478	2008959	12.07%	3.040%
31	12.904	1836	1839	1843	rVB2	260035	257877	1.55%	0.390%
32	12.986	1849	1853	1856	rBV	2035379	1602734	9.63%	2.425%
33	13.063	1863	1866	1873	rBV4	243304	468272	2.81%	0.709%
34	13.157	1878	1882	1883	rVV3	234744	291144	1.75%	0.441%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.174	1883	1885	1888	rVV2	393547	373614	2.24%	0.565%
36	13.227	1888	1894	1895	rVV2	405427	469036	2.82%	0.710%
37	13.245	1895	1897	1899	rVV	253789	210310	1.26%	0.318%
38	13.280	1900	1903	1905	rVV2	347121	347092	2.08%	0.525%
39	13.304	1905	1907	1911	rVB2	257490	219821	1.32%	0.333%
40	13.374	1916	1919	1921	rVV	291934	228369	1.37%	0.346%
41	13.404	1921	1924	1927	rVV	267241	248504	1.49%	0.376%
42	13.686	1970	1972	1976	rVB	193081	190171	1.14%	0.288%
43	13.798	1986	1991	1994	rBV3	257286	428475	2.57%	0.648%
44	13.974	2018	2021	2026	rBV4	187371	237312	1.43%	0.359%
45	14.051	2029	2034	2037	rVV2	1605247	2258136	13.56%	3.417%
46	14.080	2037	2039	2042	rVB	785064	636509	3.82%	0.963%
47	14.204	2057	2060	2062	rBV2	146298	172164	1.03%	0.260%
48	14.439	2095	2100	2103	rBV	357763	413409	2.48%	0.626%
49	14.509	2109	2112	2114	rBV3	155563	183384	1.10%	0.277%
50	15.109	2210	2214	2217	rBV	612252	928870	5.58%	1.405%
51	15.415	2263	2266	2273	rVB	400363	524076	3.15%	0.793%
52	15.480	2273	2277	2283	rBV	615492	796079	4.78%	1.205%
53	15.545	2284	2288	2292	rBV	824613	1027137	6.17%	1.554%
54	17.056	2541	2545	2551	rVB	198399	341177	2.05%	0.516%

Sum of corrected areas: 66091260

LSC Report - Integrated Chromatogram

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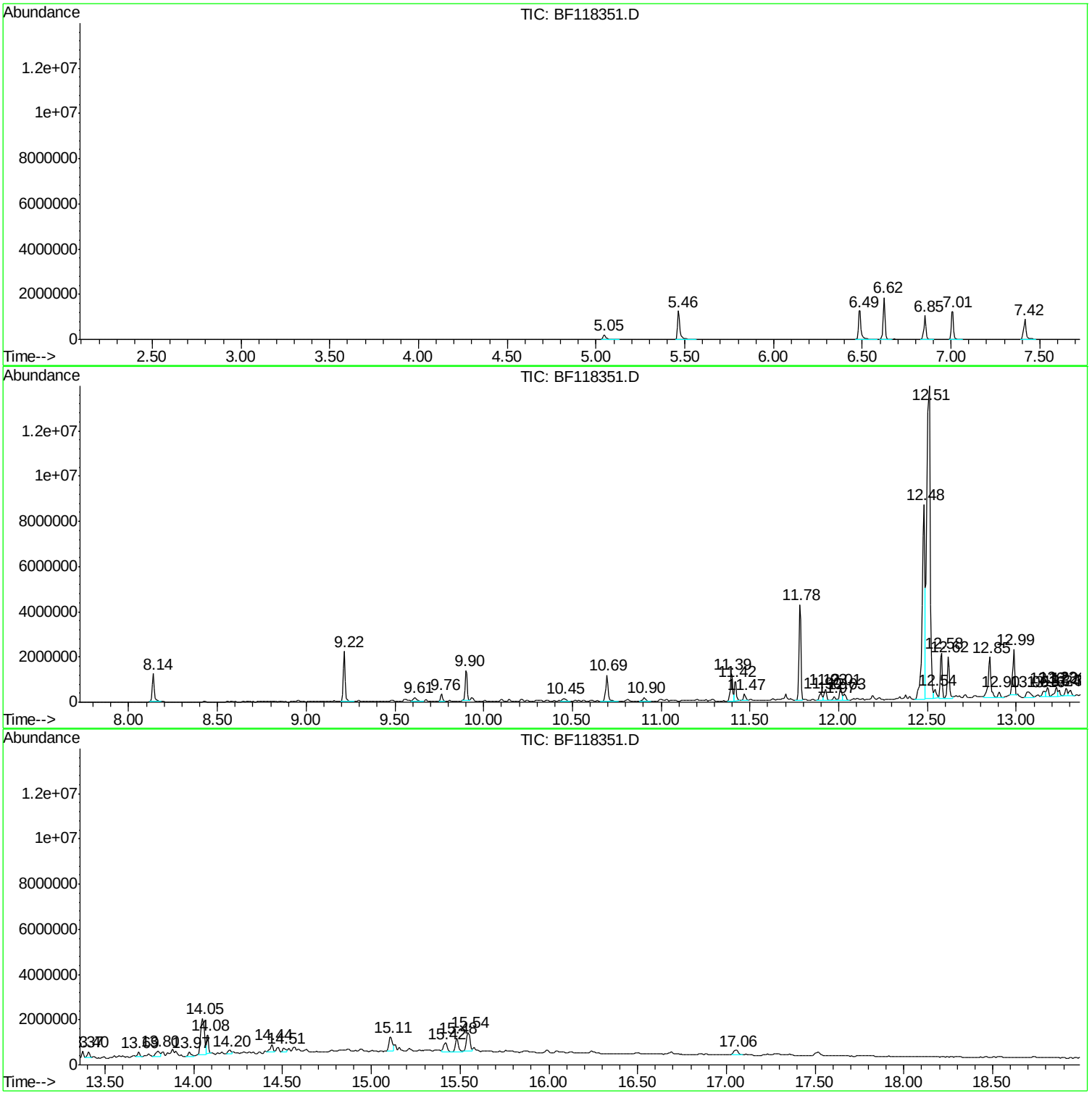
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
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Misc :
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Instrument : BNA_F
ClientSampleId : TR-05-122619

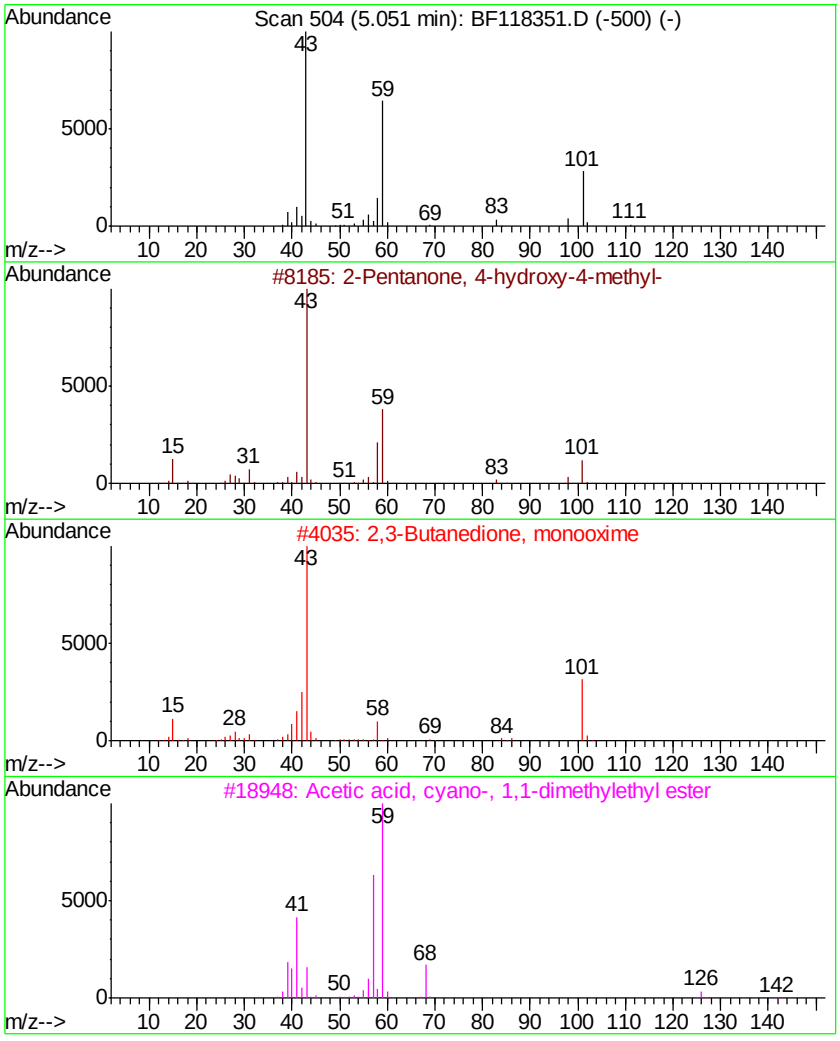
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

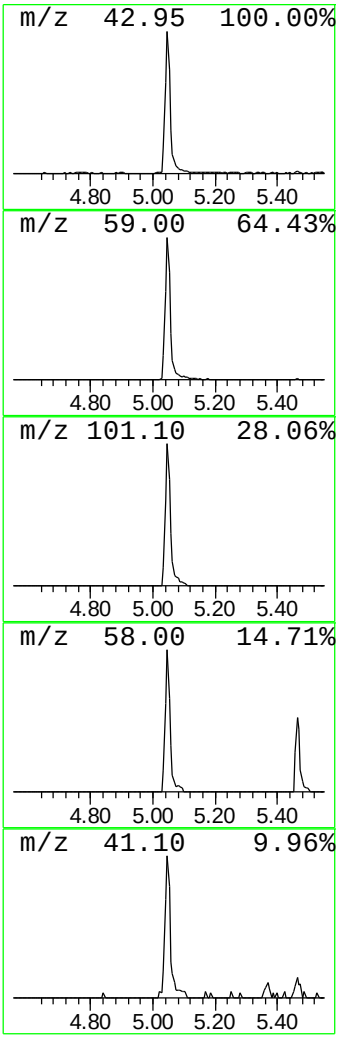
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	5.83 ng	241127	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

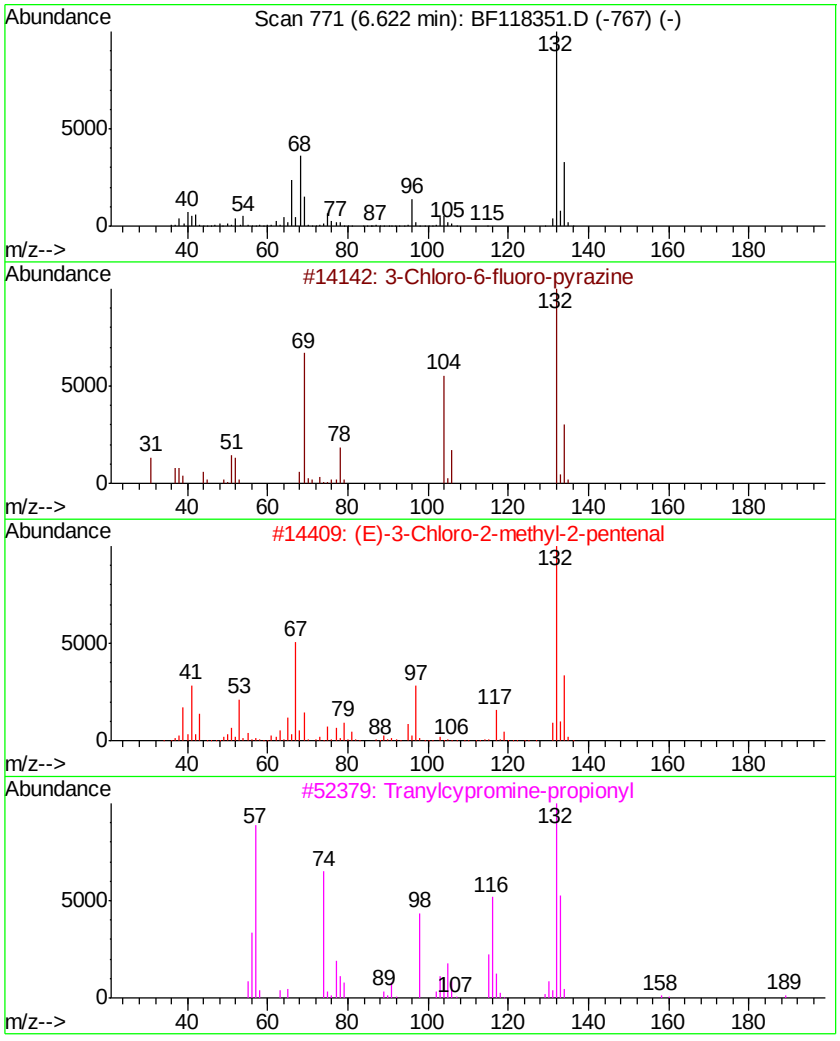
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

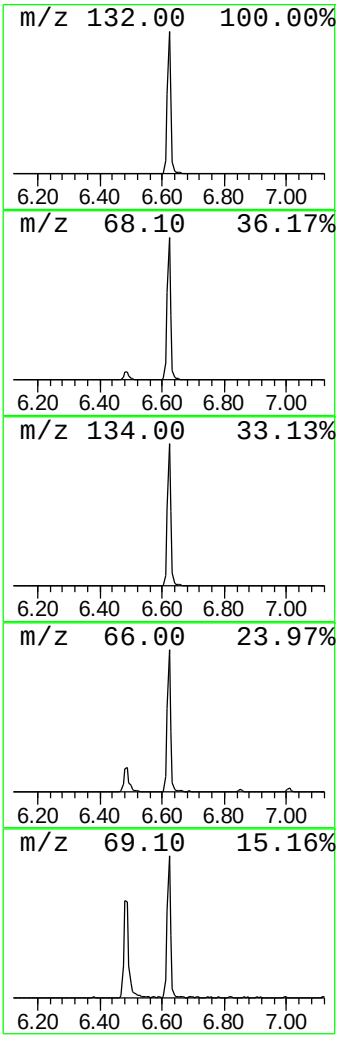
****

Peak Number 2 unknown6.62 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	36.35 ng	1503000	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

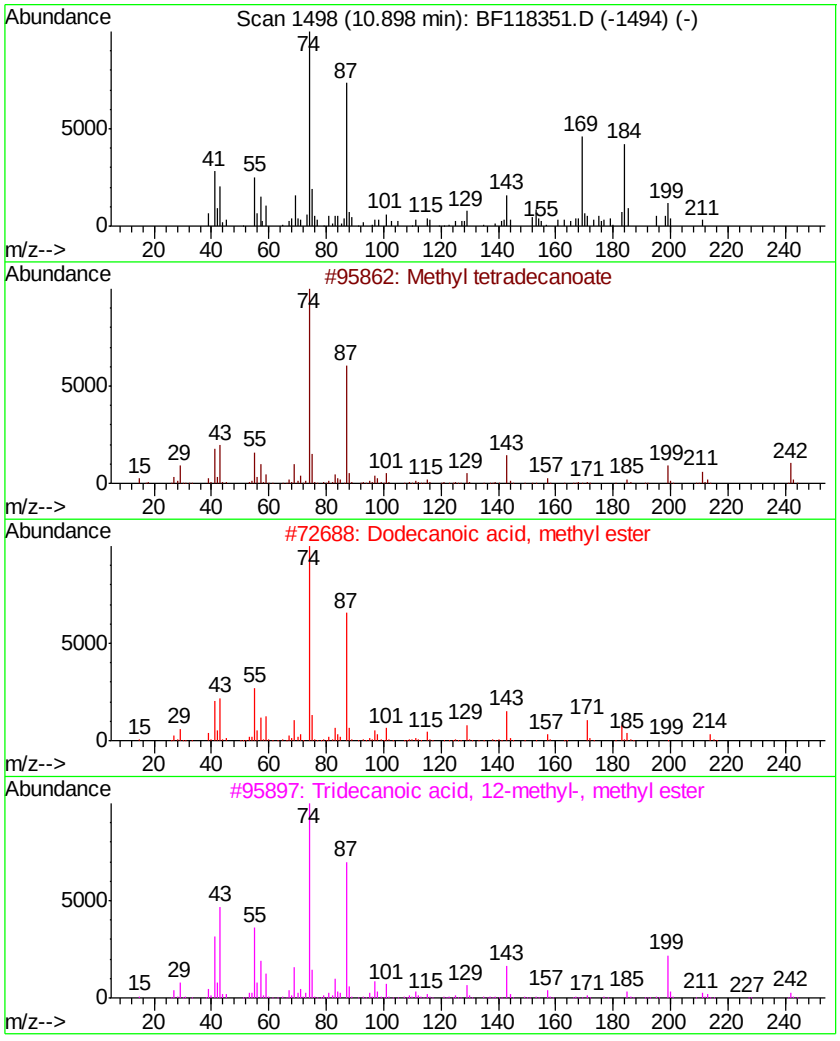
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

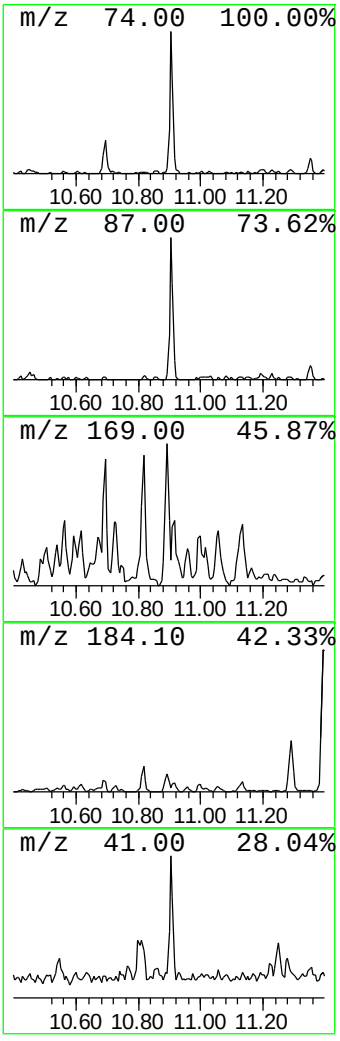
****

Peak Number 5 Methyl tetradecanoate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.31 ng	204436	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
2	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	80
3	Tridecanoic acid, 12-methyl-, me...	242	C15H30O2	005129-58-8	74
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	72
5	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

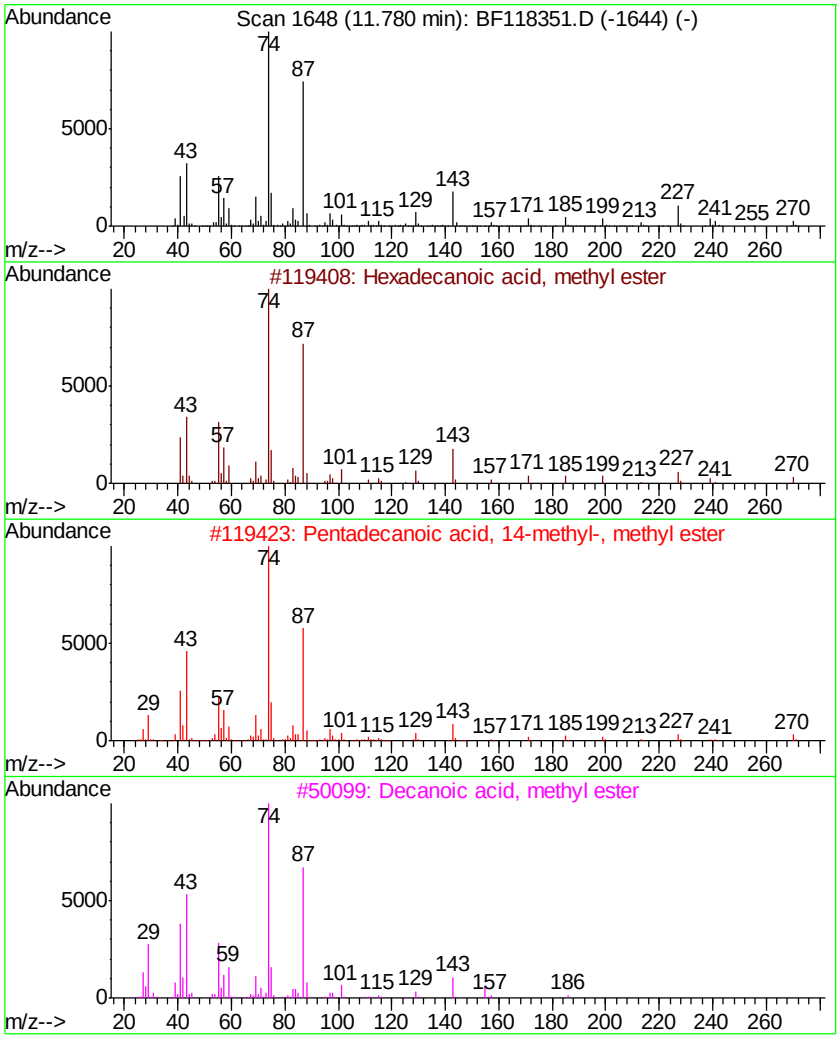
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

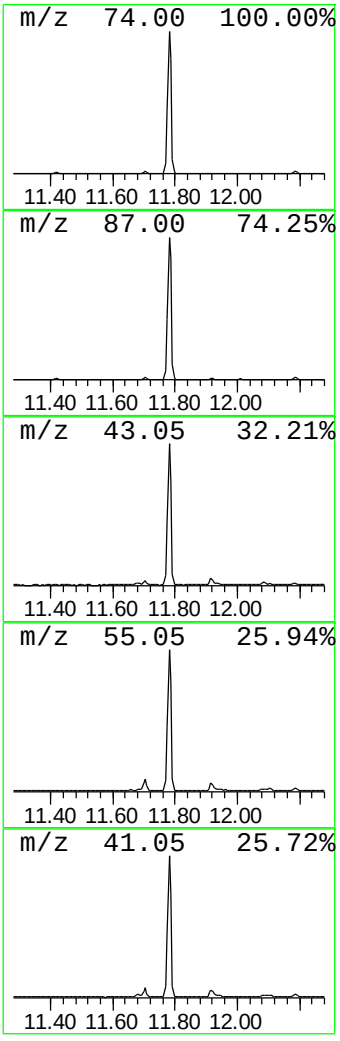
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	59.35 ng	3667790	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86





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Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

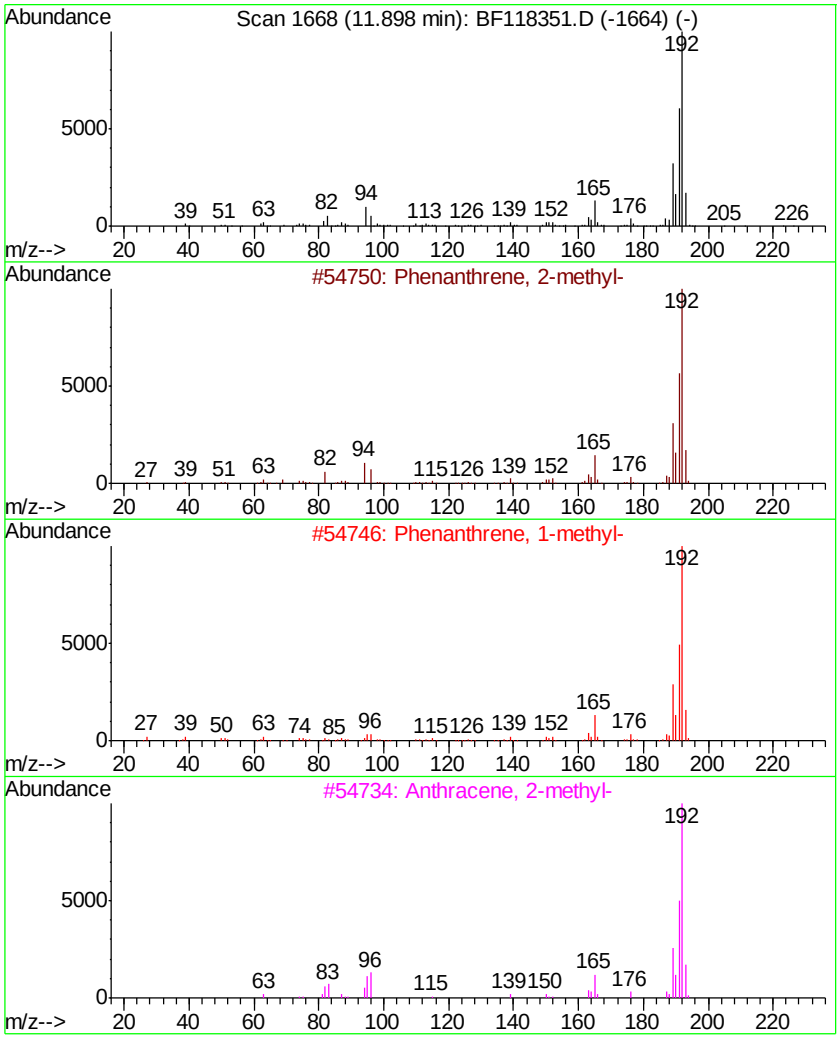
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

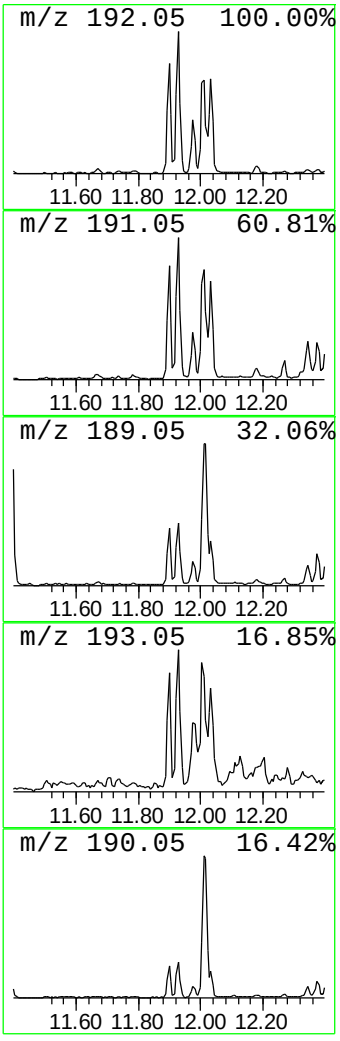
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.18 ng	320378	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

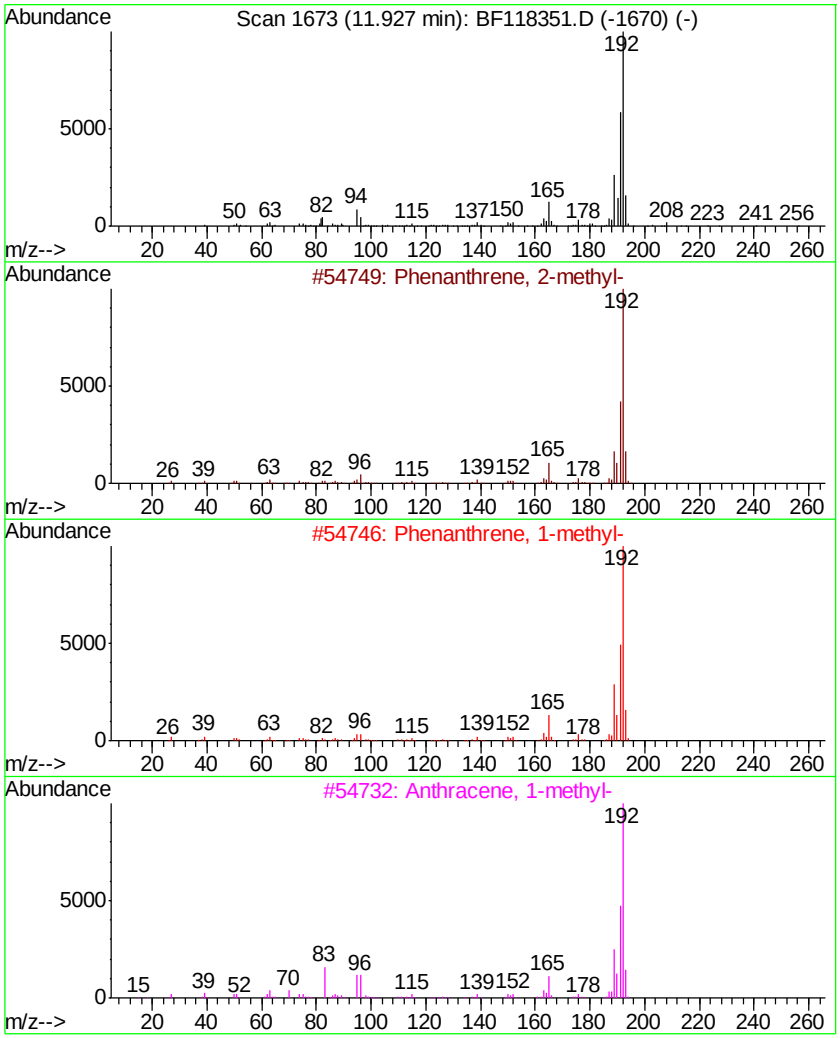
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

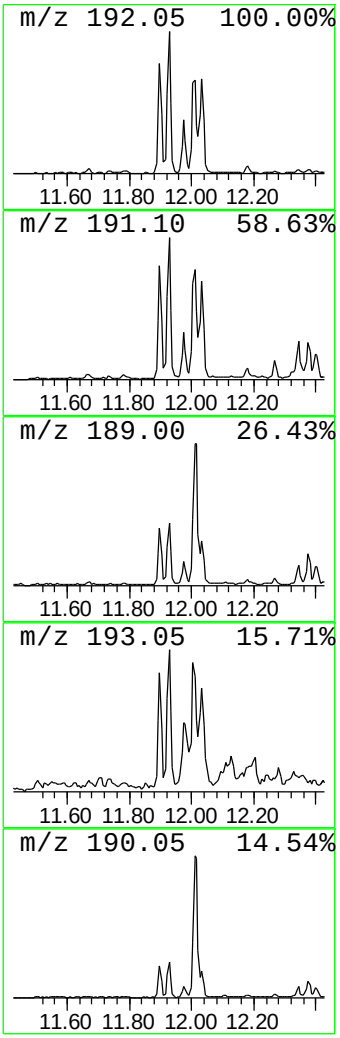
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	8.55 ng	528114	Phenanthrene-d10	11.39

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	97
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

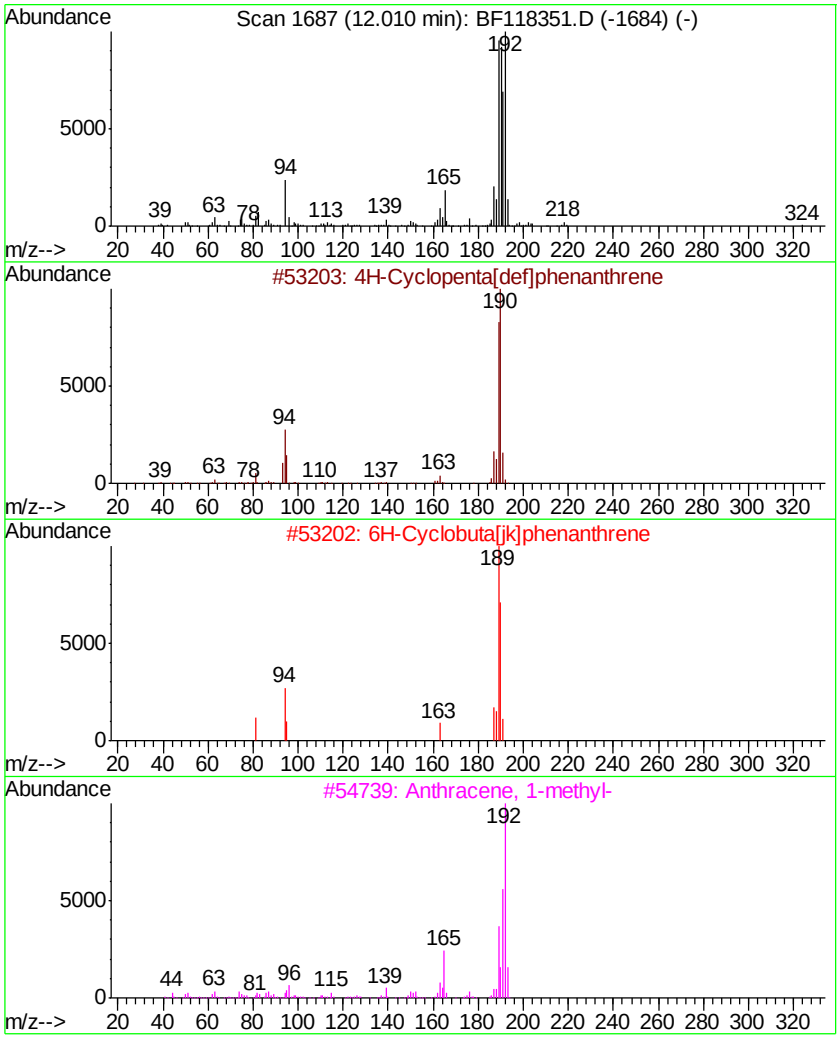
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

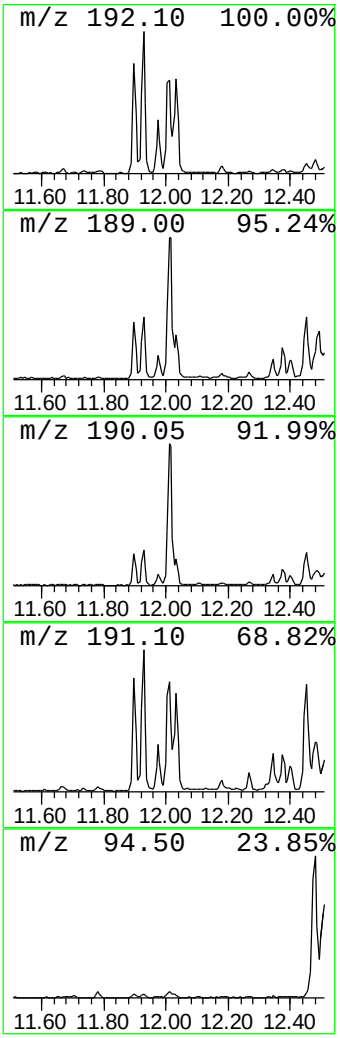
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	8.97 ng	554263	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122719\
Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

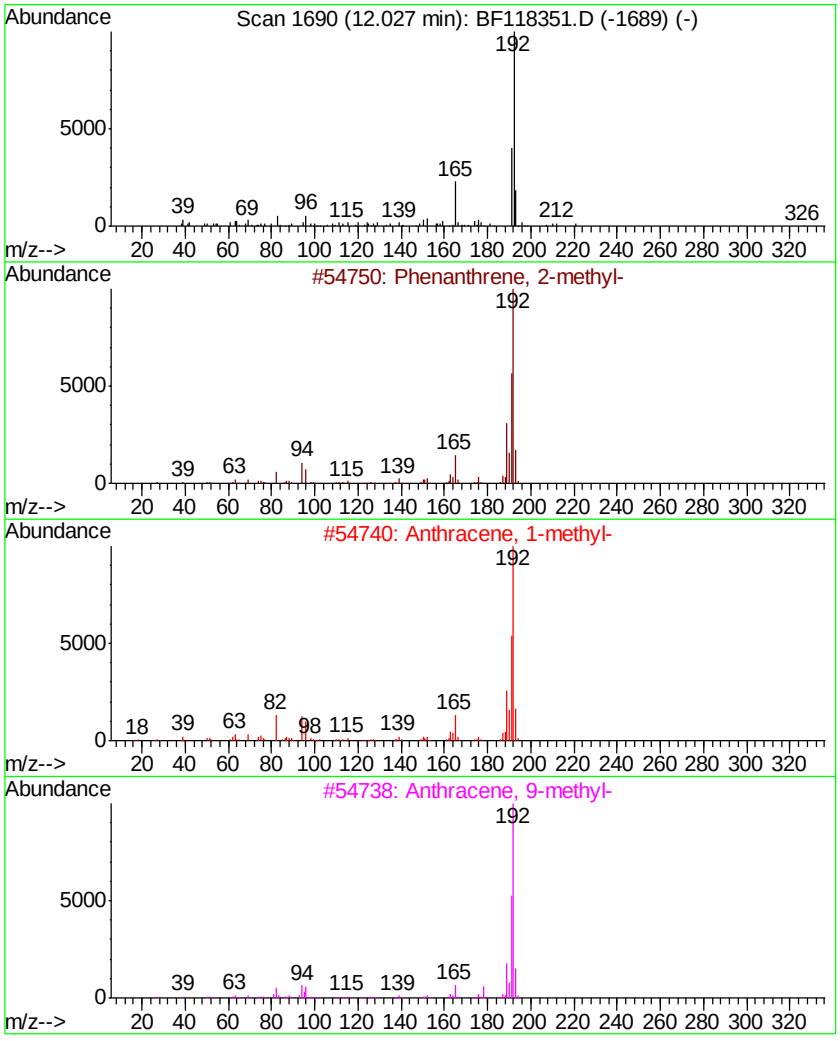
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

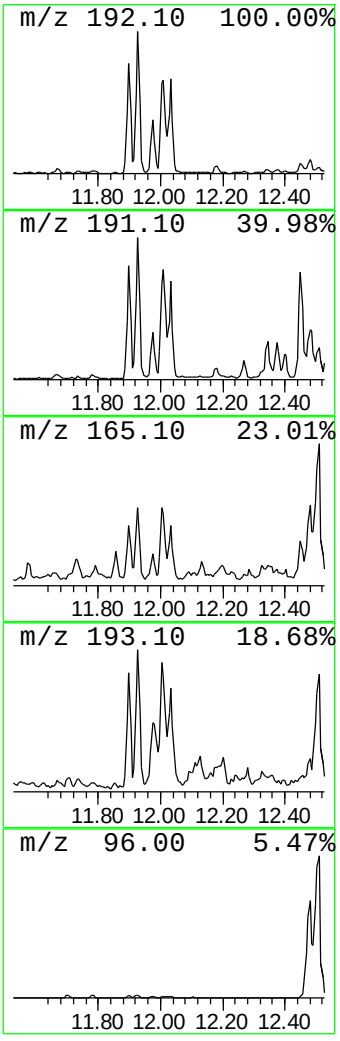
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.09 ng	252580	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

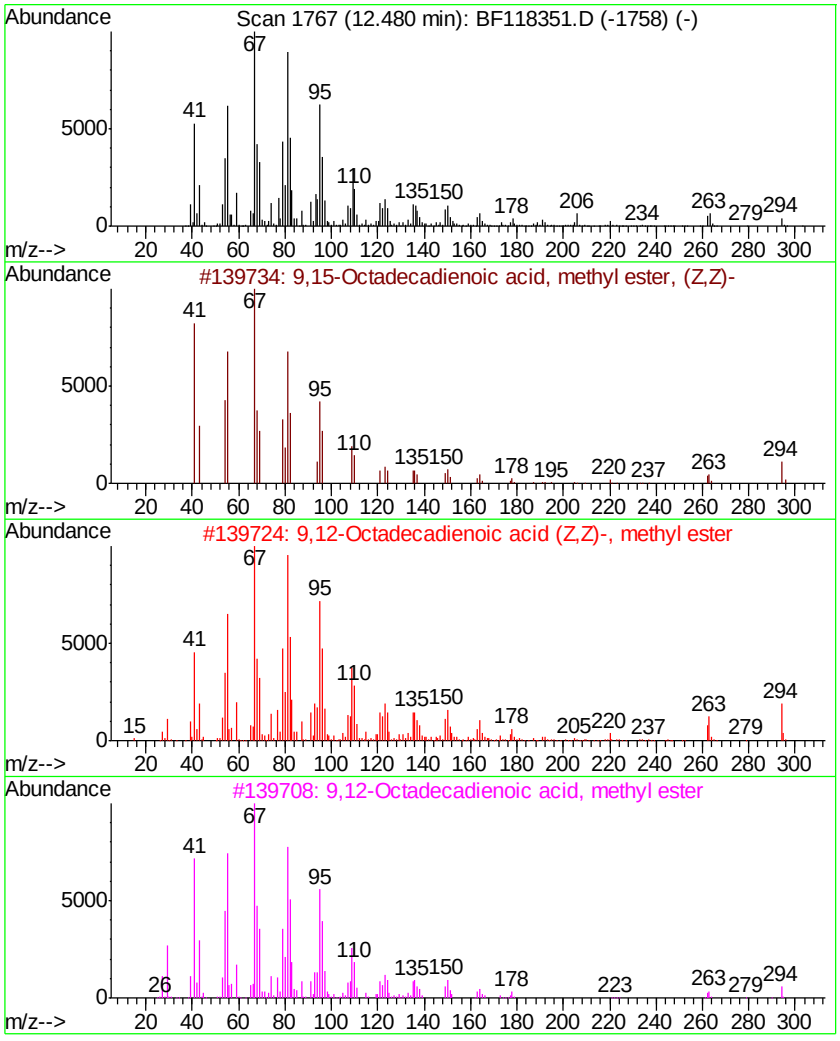
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

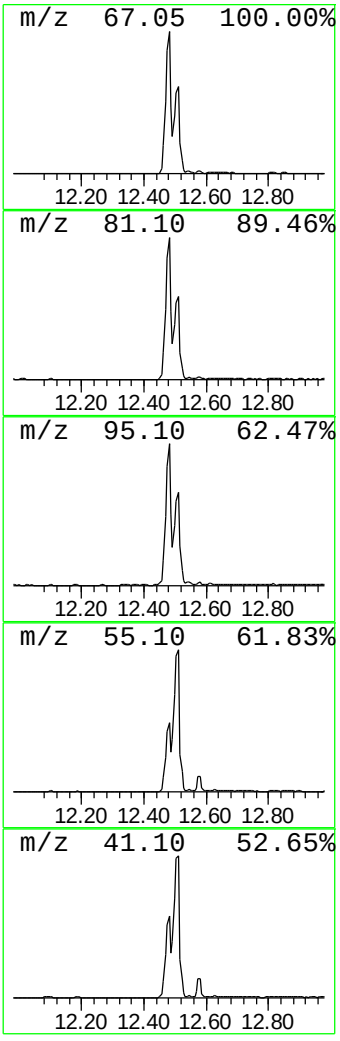
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,15-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	160.14 ng	9896640	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
4	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	98





Library Search Compound Report

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Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

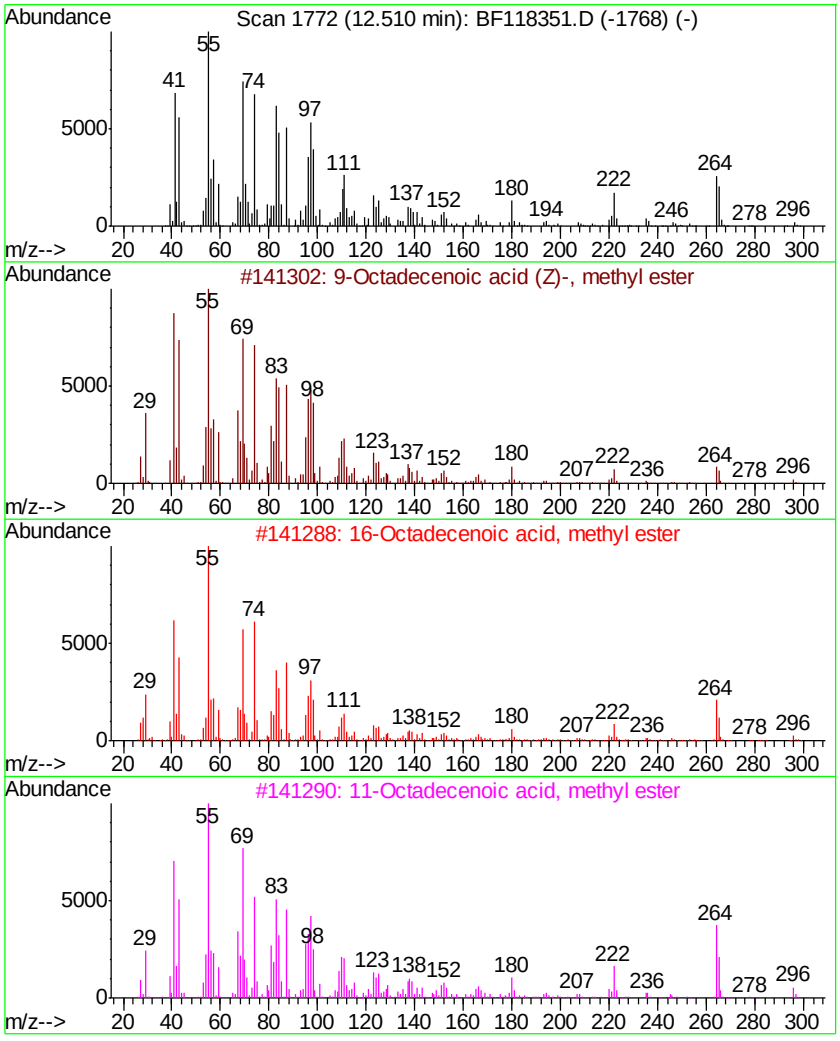
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

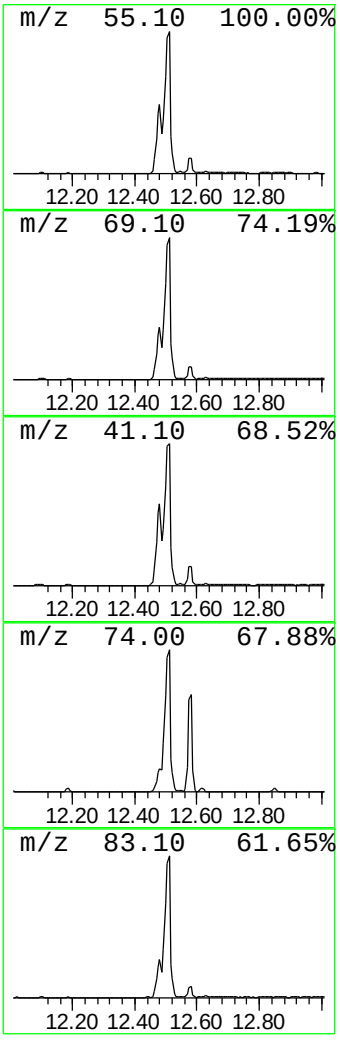
****

Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	269.43 ng	16650800	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	95
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	95
3	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	93
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	89
5	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	86





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Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

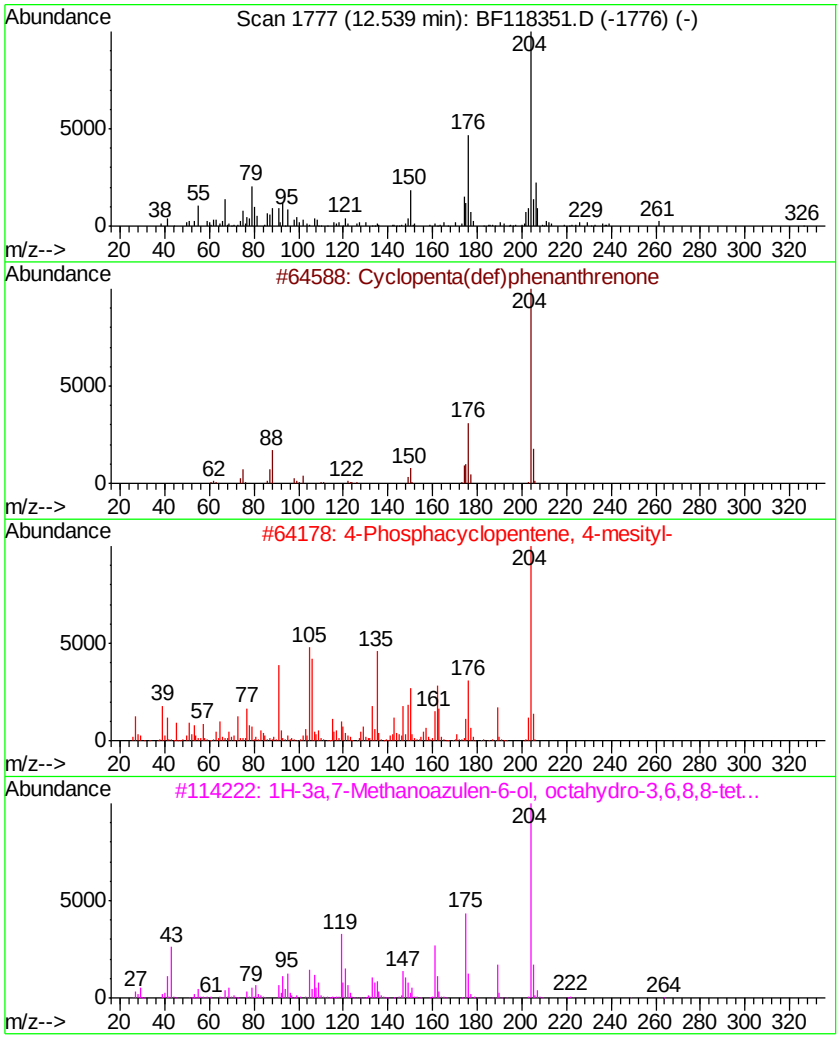
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

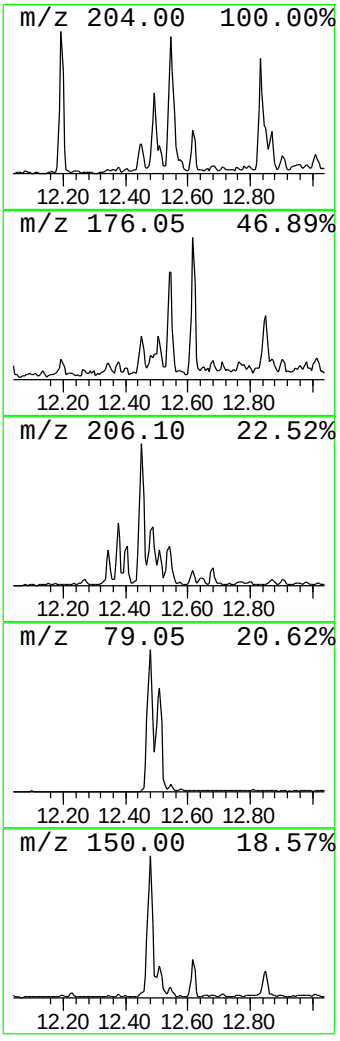
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.05 ng	374168	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	60
2	4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	43
3	1H-3a,7-Methanoazulen-6-ol, octa...	264	C17H28O2	000077-54-3	38
4	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	37
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	37





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

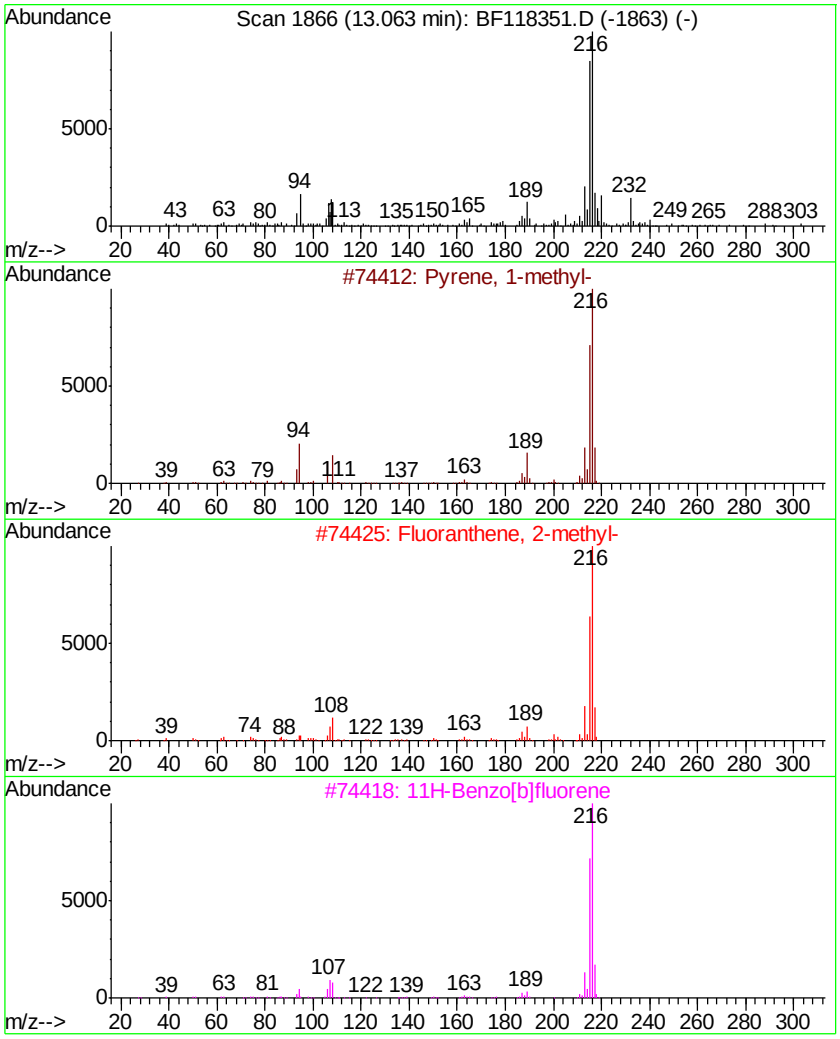
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

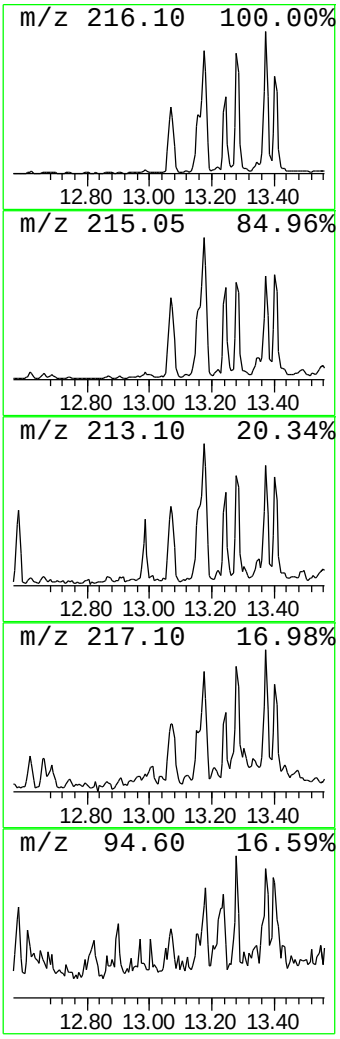
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	4.15 ng	468272	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Library Search Compound Report

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Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

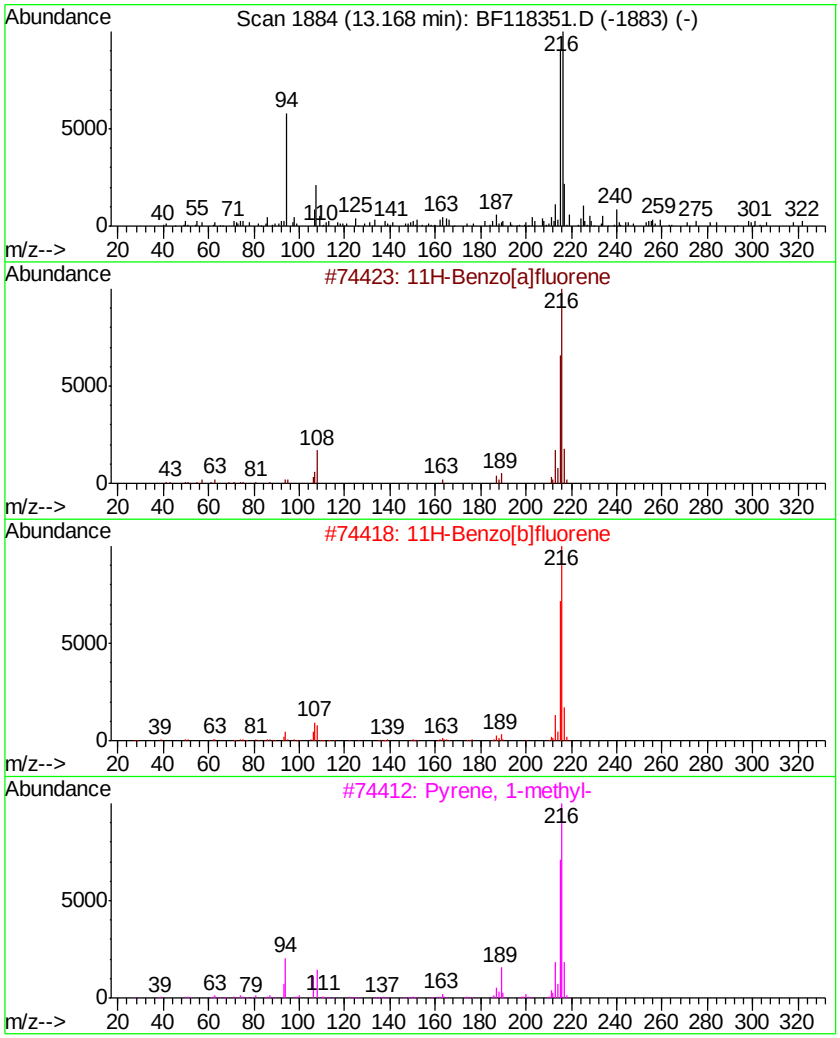
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

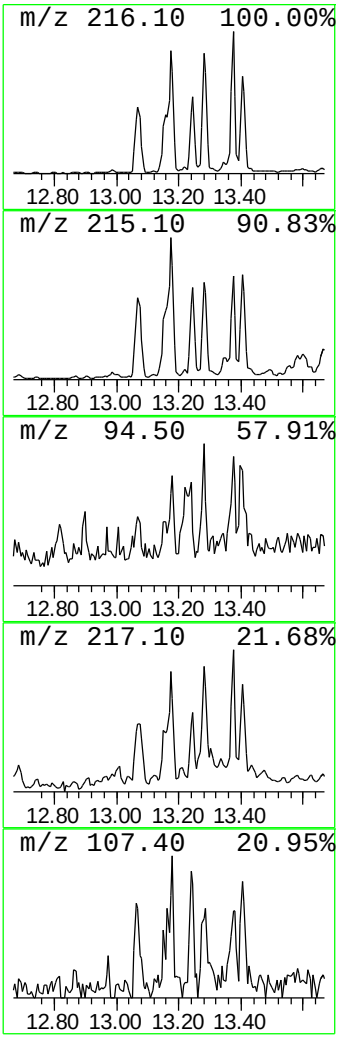
****

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	3.31 ng	373614	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





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Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

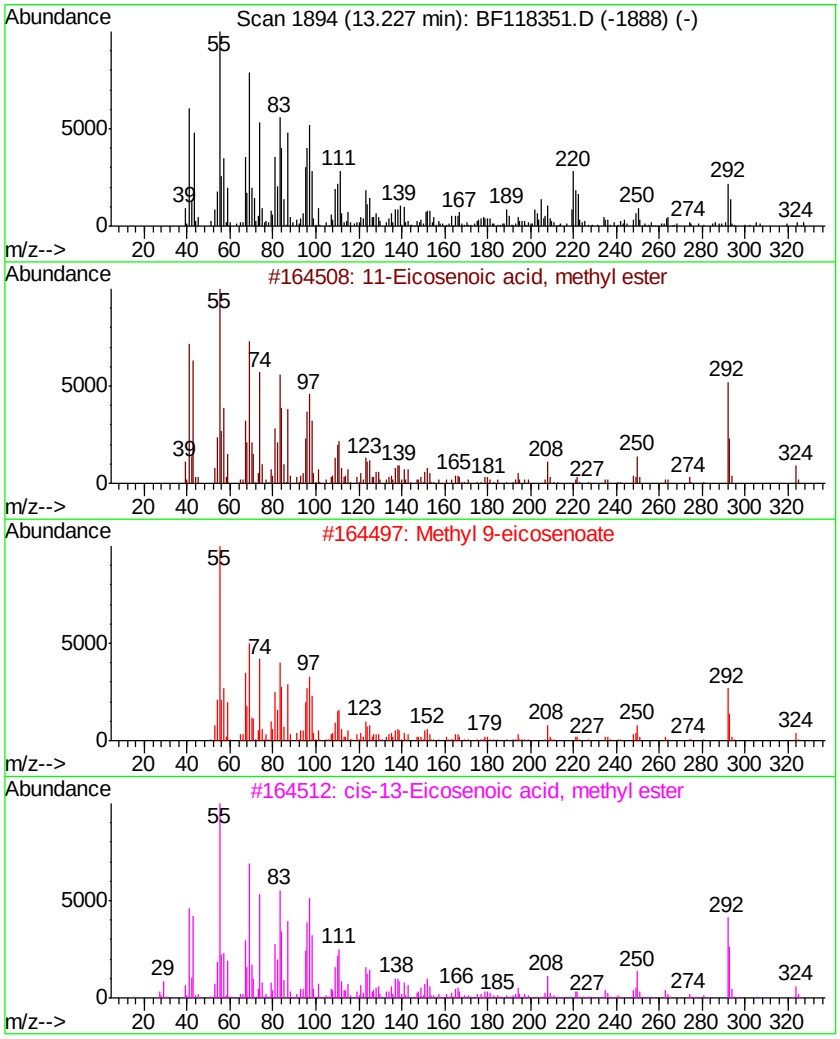
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

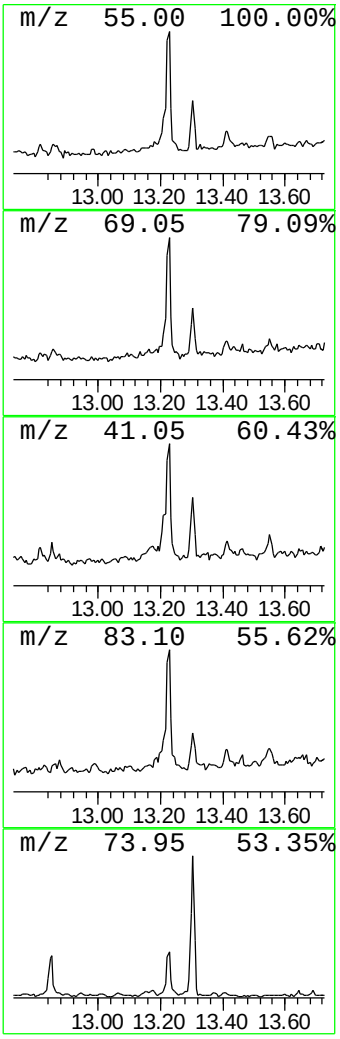
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11-Eicosenoic acid, methyl ... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.15 ng	469036	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Eicosenoic acid, methyl ester	324	C21H40O2	003946-08-5	99
2	Methyl 9-eicosenoate	324	C21H40O2	1000336-50-5	97
3	cis-13-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-52-1	93
4	cis-11-Eicosenoic acid, methyl e...	324	C21H40O2	1000333-63-8	70
5	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	64





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Operator : JU
Sample : K6117-10 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-05-122619

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

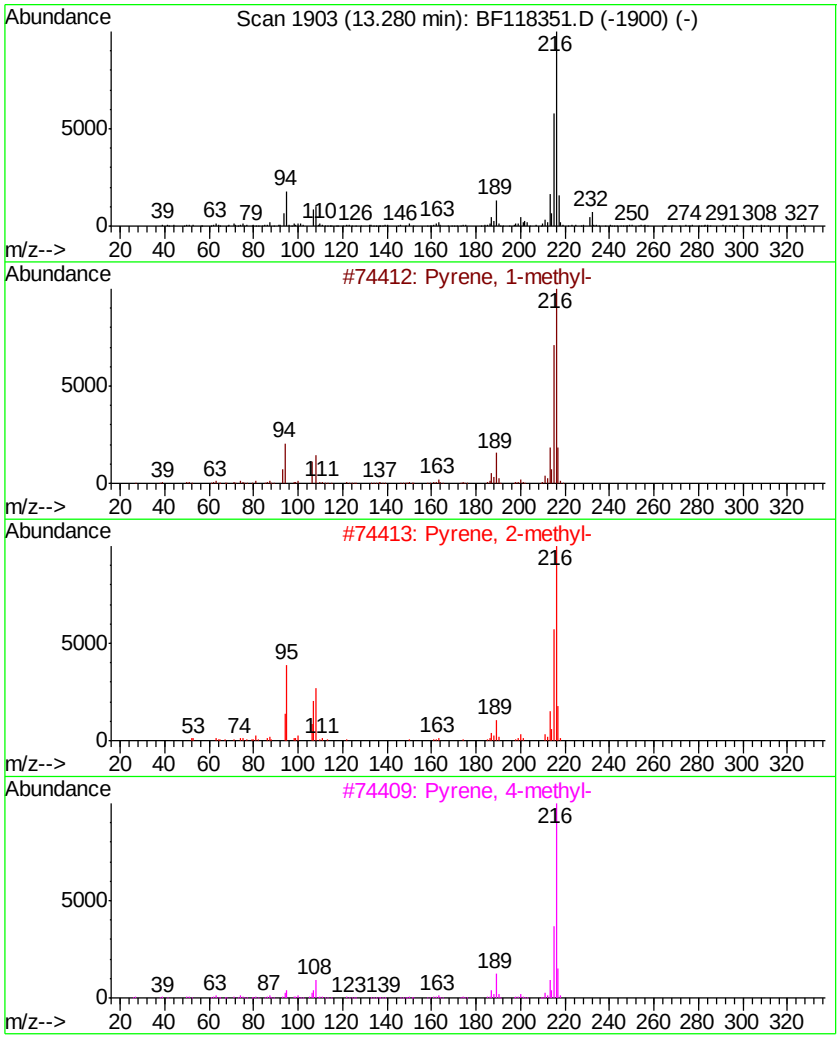
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

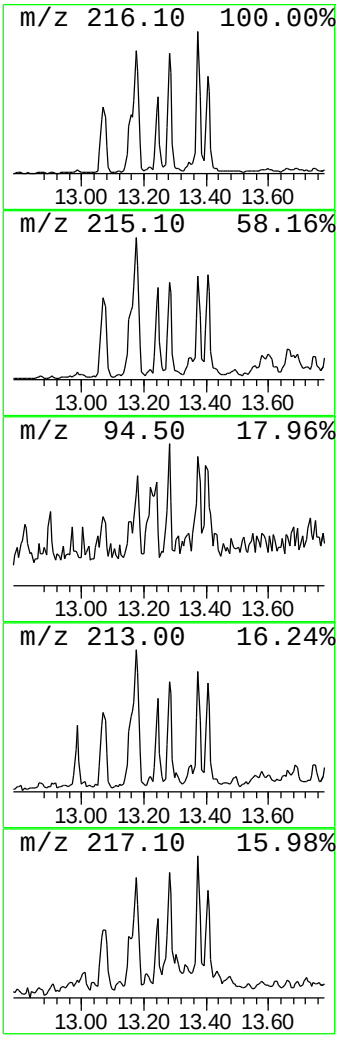
****

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	3.07 ng	347092	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

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Instrument : BNA_F
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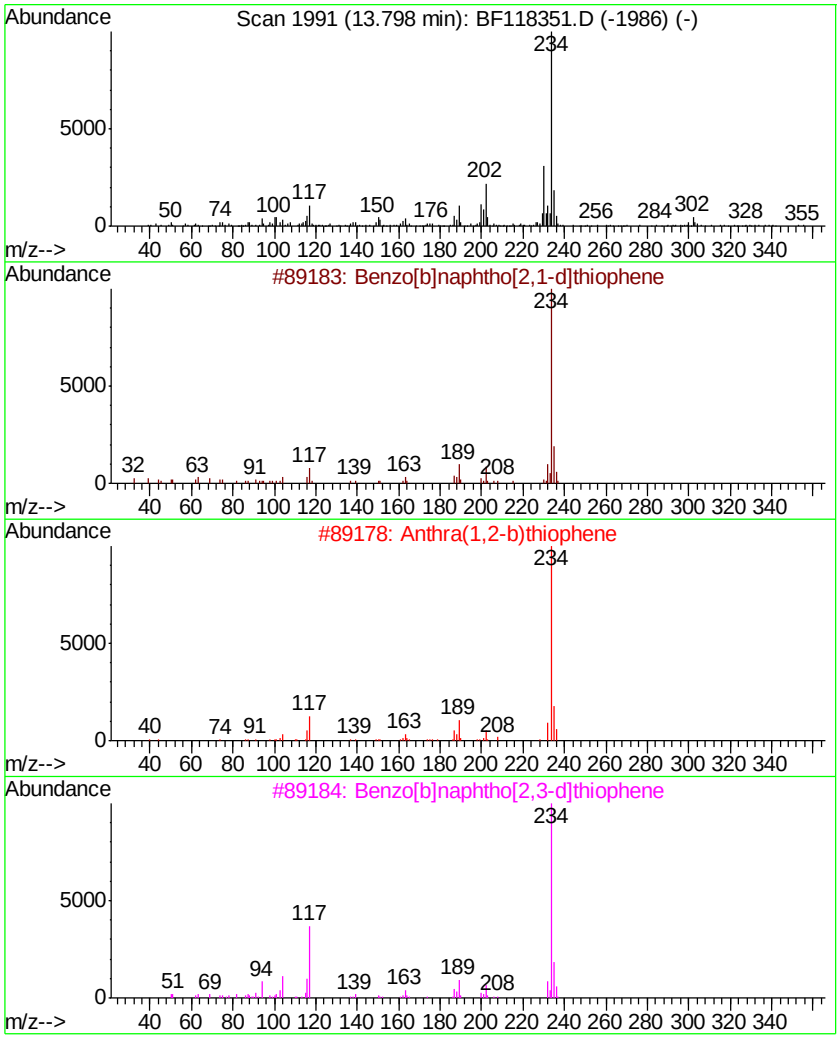
TIC Integration Parameters: LSCINT.P

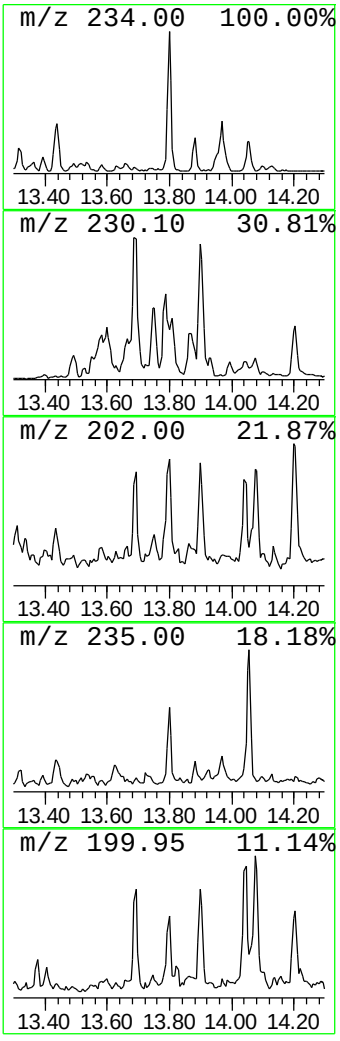
****

Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.79 ng	428475	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	89
2	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	60





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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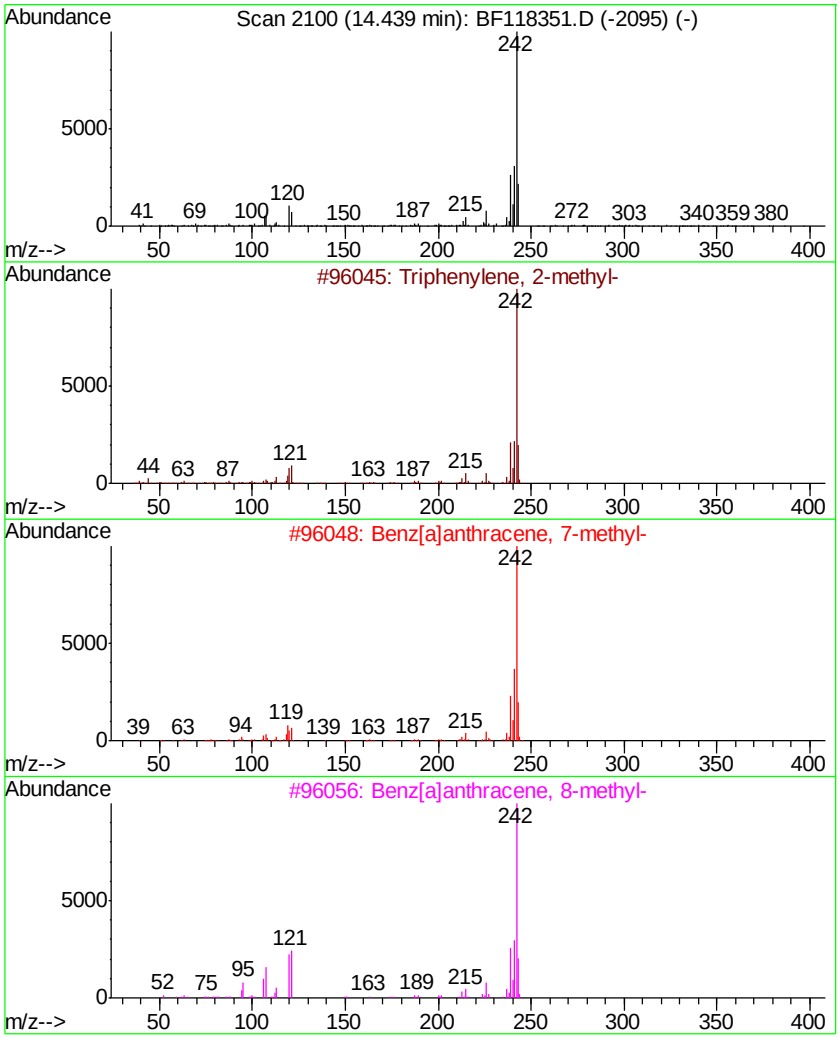
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

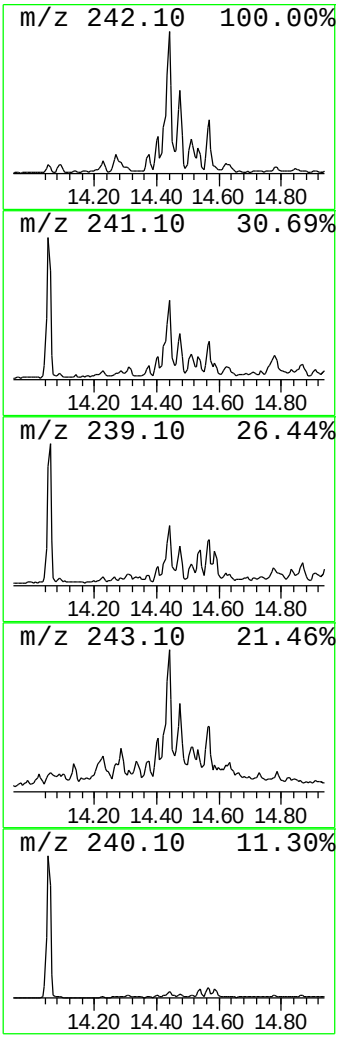
****

Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	3.66 ng	413409	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





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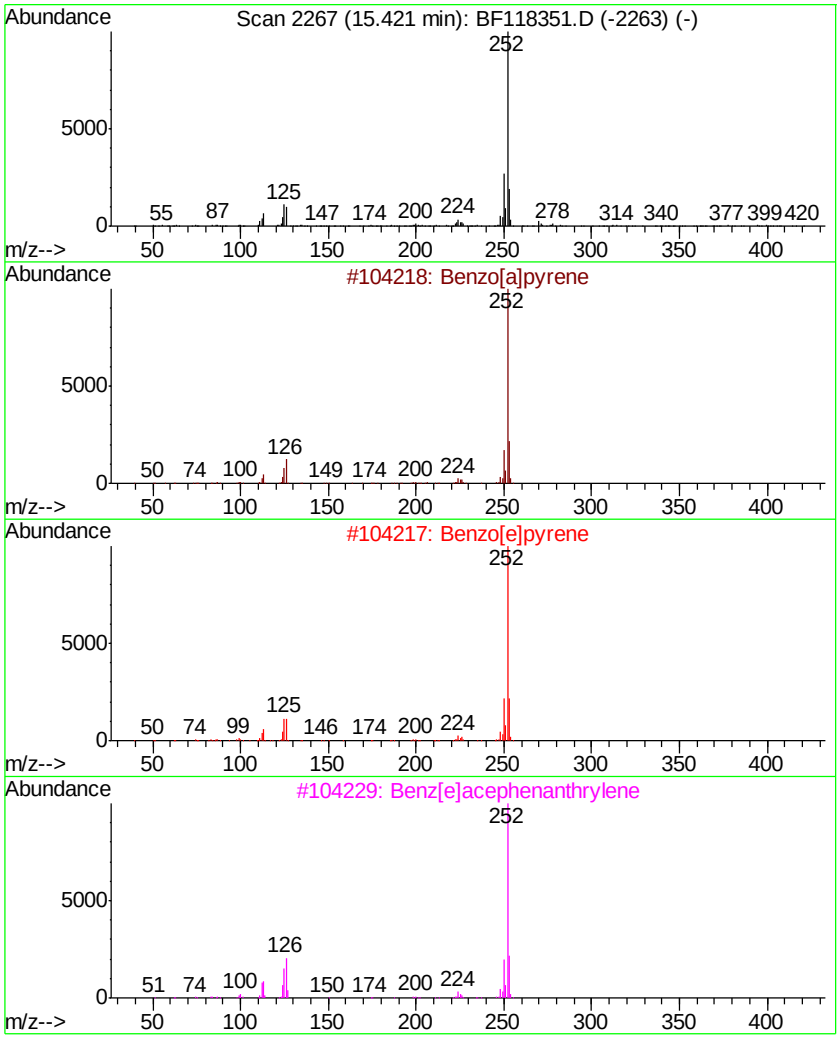
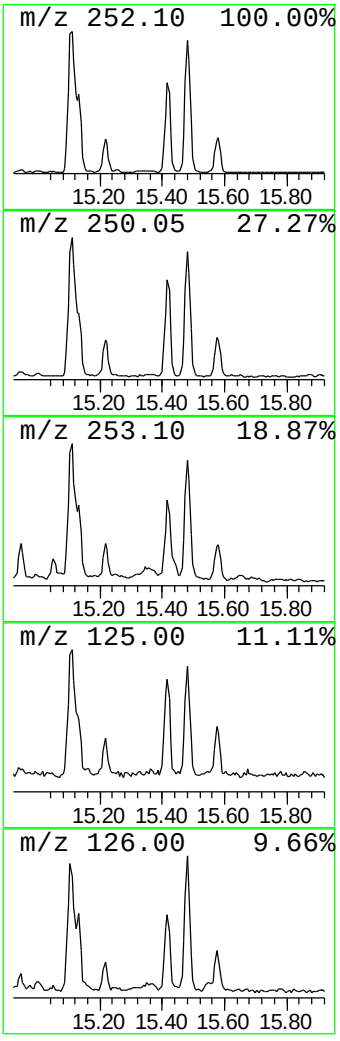
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	10.20 ng	524076	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Tentatively Identified Compound (LSC) summary

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Data File : BF118351.D
Acq On : 27 Dec 2019 21:30
Operator : JU
Sample : K6117-10 2X
Misc :
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Instrument : BNA_F
ClientSampleId : TR-05-122619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.05	5.8	ng	241127	1	6.85	826894	20.0
unknown6.62	6.62	36.4	ng	1503000	1	6.85	826894	20.0
Methyl tetradecan...	10.90	3.3	ng	204436	4	11.39	1236010	20.0
Hexadecanoic acid...	11.78	59.4	ng	3667790	4	11.39	1236010	20.0
Phenanthrene, 2-m...	11.90	5.2	ng	320378	4	11.39	1236010	20.0
Phenanthrene, 1-m...	11.93	8.6	ng	528114	4	11.39	1236010	20.0
4H-Cyclopenta[def...	12.01	9.0	ng	554263	4	11.39	1236010	20.0
Anthracene, 9-met...	12.03	4.1	ng	252580	4	11.39	1236010	20.0
9,15-Octadecadien...	12.48	160.1	ng	9896640	4	11.39	1236010	20.0
9-Octadecenoic ac...	12.51	269.4	ng	16650800	4	11.39	1236010	20.0
Cyclopenta(def)ph...	12.54	6.0	ng	374168	4	11.39	1236010	20.0
Pyrene, 1-methyl-	13.06	4.2	ng	468272	5	14.05	2258140	20.0
11H-Benzo[a]fluorene	13.17	3.3	ng	373614	5	14.05	2258140	20.0
11-Eicosenoic aci...	13.23	4.2	ng	469036	5	14.05	2258140	20.0
Pyrene, 4-methyl-	13.28	3.1	ng	347092	5	14.05	2258140	20.0
Benzo[b]naphtho[2...	13.80	3.8	ng	428475	5	14.05	2258140	20.0
Triphenylene, 2-m...	14.44	3.7	ng	413409	5	14.05	2258140	20.0
Benzo[e]pyrene	15.42	10.2	ng	524076	6	15.54	1027140	20.0