LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

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-BF111319.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	2.216	15	22	29	rVB	825639	1089291	16.36%	1.810%
2	5.134	509	518	529	rVB	712875	1015971	15.26%	1.688%
3	5.534	580	586	589	rBV	4975163	4998950	75.07%	8.306%
4	6.539	751	757	774	rBV	4982606	6043102	90.75%	10.041%
5	6.687	777	782	785	rBV	5909368	5951835	89.38%	9.890%
6	6.916	817	821	824	rBV	1514602	1213311	18.22%	2.016%
7	7.075	843	848	851	rBV	5283493	4589390	68.92%	7.626%
8	7.481	911	917	920	rBV	3698800	3750464	56.32%	6.232%
9	8.204	1036	1040	1043	rBV	1733941	1590527	23.89%	2.643%
10	9.280	1218	1223	1227	rBV	6851157	6658939	100.00%	11.064%
11	9.675	1286	1290	1294	rVB	528471	465701	6.99%	0.774%
12	9.963	1335	1339	1343	rBV	2080782	1860914	27.95%	3.092%
13	10.757	1469	1474	1477	rBV	4541202	4047834	60.79%	6.726%
14	10.880	1490	1495	1501	rVB3	42923	72580	1.09%	0.121%
15	11.316	1563	1569	1573	rBV4	56640	69742	1.05%	0.116%
16	11.457	1589	1593	1595	rBV	2338305	1850757	27.79%	3.075%
17	11.480	1595	1597	1600	rVV	551526	426330	6.40%	0.708%
18	11.527	1600	1605	1609	rVB3	82172	110215	1.66%	0.183%
19	11.957	1673	1678	1680	rBV	198438	204188	3.07%	0.339%
20	11.986	1680	1683	1686	rVB2	267774	310347	4.66%	0.516%
21	12.069	1694	1697	1700	rBV2	205825	235605	3.54%	0.391%
22	12.092	1700	1701	1706	rVB	157672	111535	1.67%	0.185%
23	12.157	1706	1712	1716	rBV3	61713	77964	1.17%	0.130%
24	12.274	1730	1732	1739	rVB3	81191	85714	1.29%	0.142%
25	12.404	1748	1754	1757	rBV2	73486	80520	1.21%	0.134%
26	12.510	1769	1772	1775	rBV	125774	125685	1.89%	0.209%
27	12.545	1775	1778	1780	rVV2	88067	98092	1.47%	0.163%
28	12.592	1784	1786	1791	rVB3	86996	95322	1.43%	0.158%
29	12.674	1797	1800	1803	rVB	489381	430933	6.47%	0.716%
30	12.904	1834	1839	1845	rBV	620923	647307	9.72%	1.076%
31	13.051	1859	1864	1867	rBV	6183482	5789961	86.95%	9.621%
32	13.121	1872	1876	1883	rVB3	77065	121983	1.83%	0.203%
33	13.210	1887	1891	1893	rBV3	67348	96431	1.45%	0.160%
34	13.333	1908	1912	1915	rBV2	120138	109676	1.65%	0.182%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.427	1925	1928	1931	rBV	94654	78943	1.19%	0.131%
36	13.457	1931	1933	1937	rVB	78470	69113	1.04%	0.115%
37	13.739	1975	1981	1986	rVB	87440	110762	1.66%	0.184%
38	13.851	1995	2000	2003	rBV2	64662	109820	1.65%	0.182%
39	13.951	2013	2017	2027	rBV6	111230	310869	4.67%	0.517%
40	14.104	2036	2043	2046	rBV2	1603856	1696421	25.48%	2.819%
41	14.127	2046	2047	2054	rVB	311476	217165	3.26%	0.361%
42	14.262	2067	2070	2077	rVB3	72312	98985	1.49%	0.164%
43	14.486	2104	2108	2112	rVB	88244	100806	1.51%	0.167%
44	14.521	2112	2114	2118	rVB2	75641	68713	1.03%	0.114%
45	14.568	2118	2122	2127	rBV4	129971	180564	2.71%	0.300%
46	14.892	2173	2177	2180	rVB	124826	130578	1.96%	0.217%
47	14.968	2187	2190	2196	rVB2	98200	108047	1.62%	0.180%
48	15.162	2218	2223	2226	rBV2	167783	268126	4.03%	0.446%
49	15.239	2232	2236	2240	rBV	126025	148382	2.23%	0.247%
50	15.474	2273	2276	2283	rVB	130740	167335	2.51%	0.278%
51	15.539	2283	2287	2292	rVB	128171	162890	2.45%	0.271%
52	15.609	2294	2299	2303	rBV	1065596	1358037	20.39%	2.257%
53	15.645	2303	2305	2312	rVB2	129753	152004	2.28%	0.253%
54	16.104	2378	2383	2389	rVB	83575	128114	1.92%	0.213%
55	17.127	2552	2557	2566	rVB3	39227	90342	1.36%	0.150%

Sum of corrected areas: 60183132

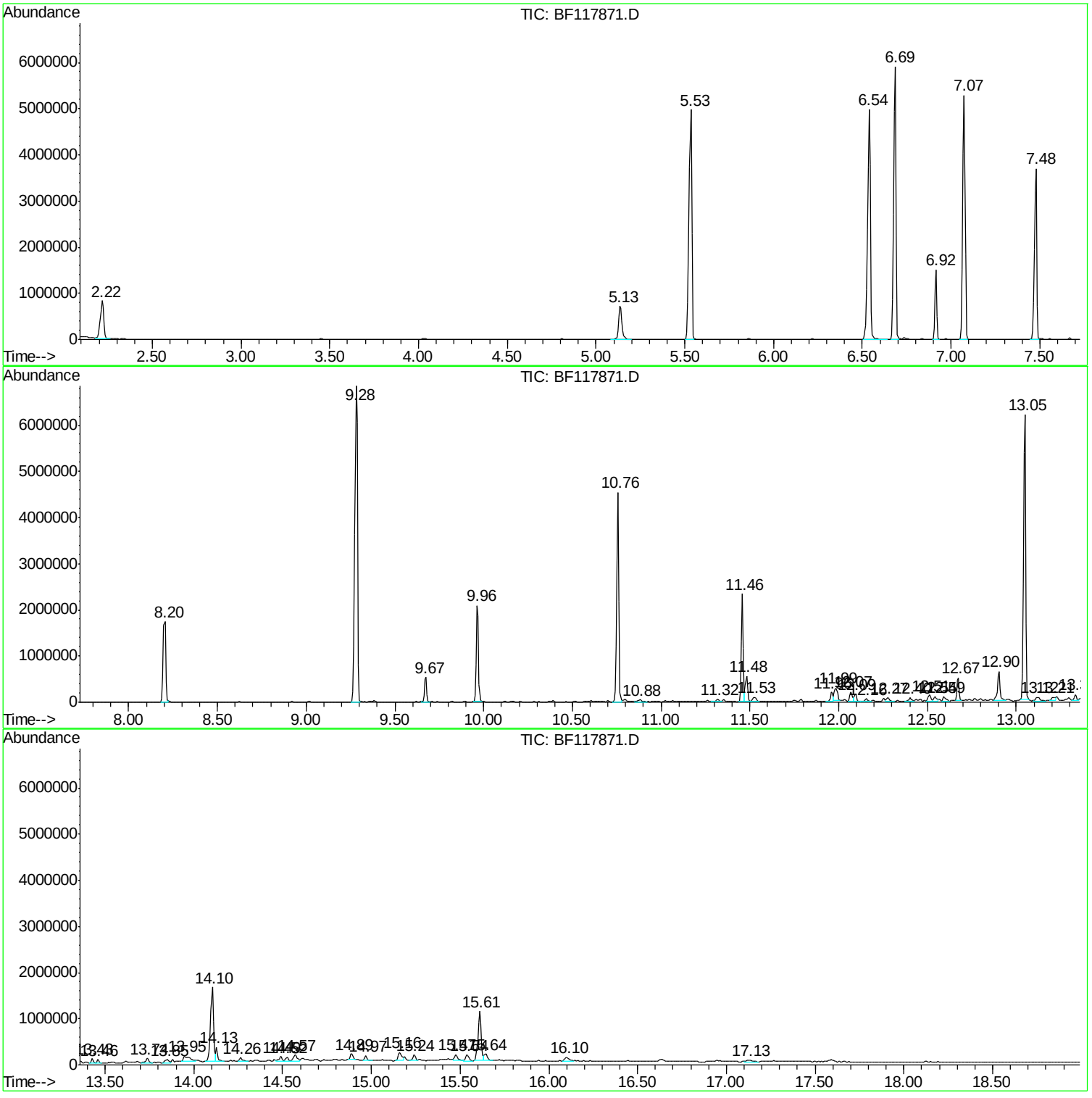
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

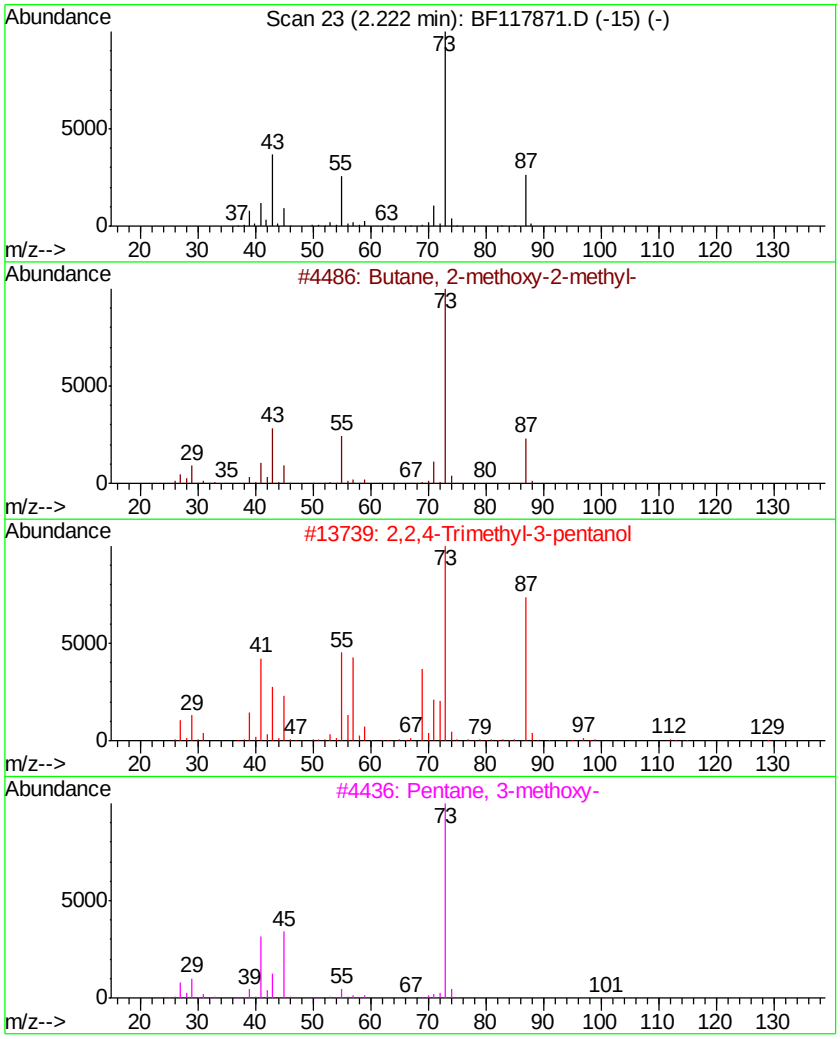
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

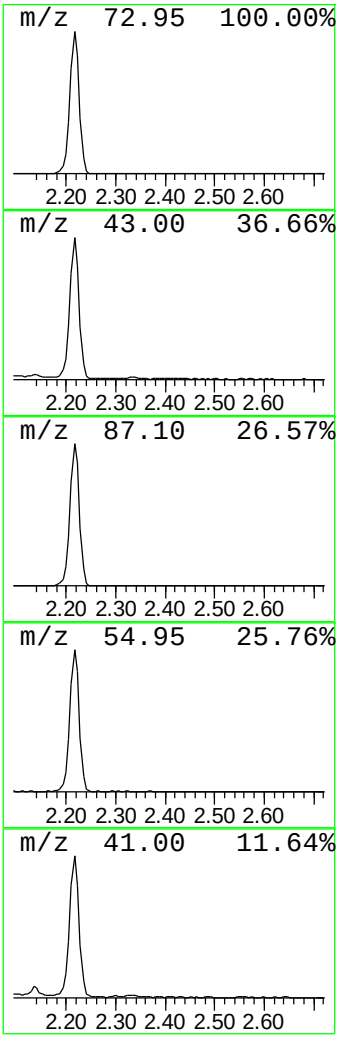
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.22	17.96 ng	1089290	1,4-Dichlorobenzene-d4	6.92

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
4	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

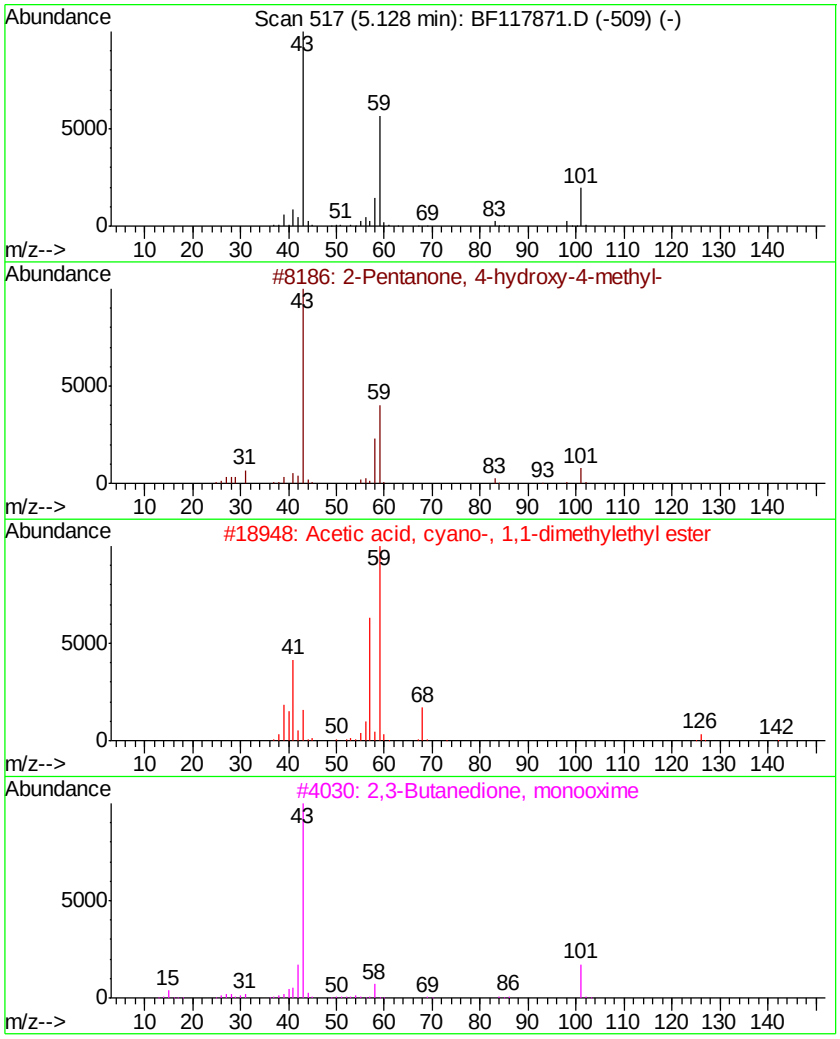
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

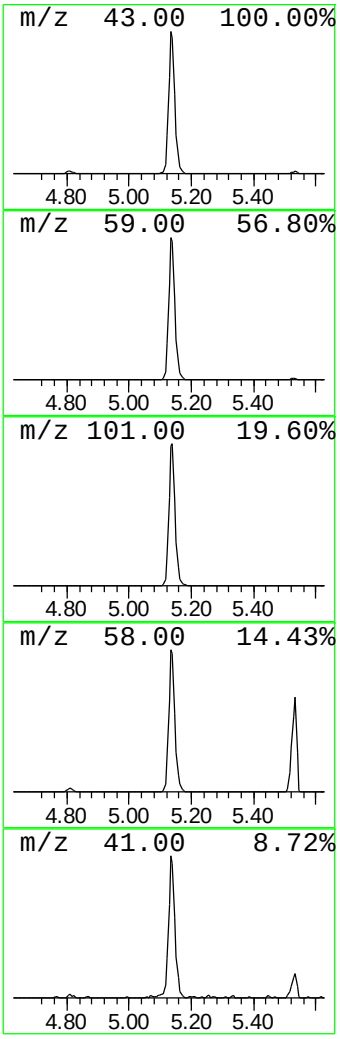
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	16.75 ng	1015970	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

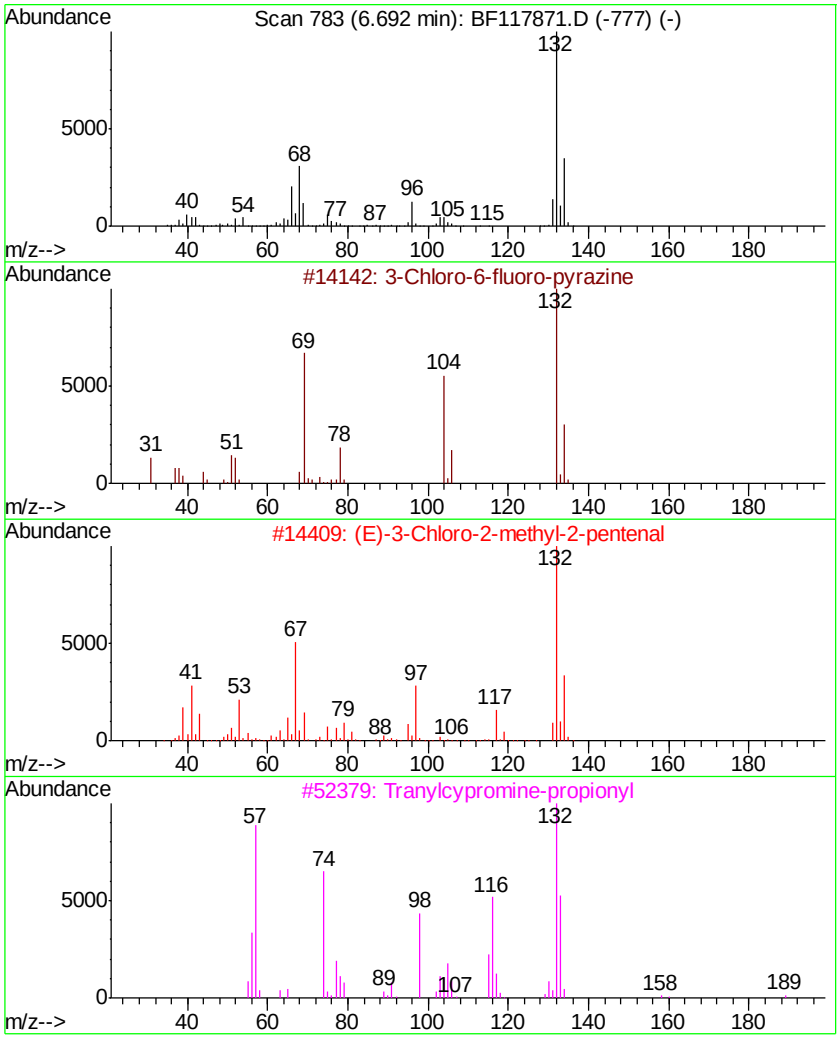
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

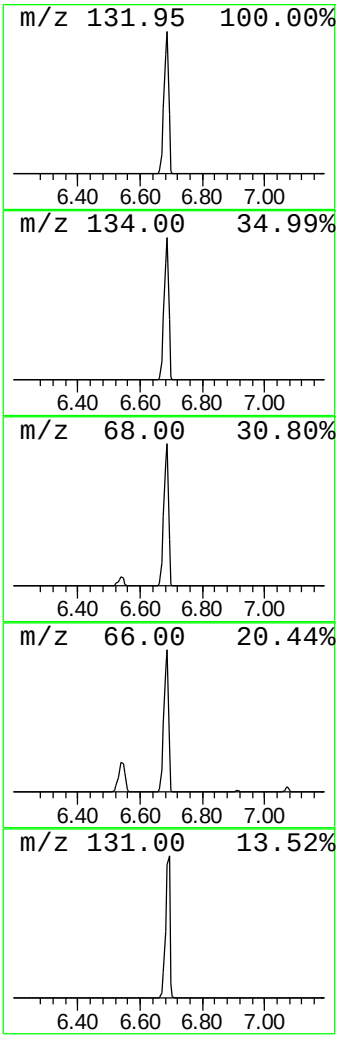
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	98.11 ng	5951840	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

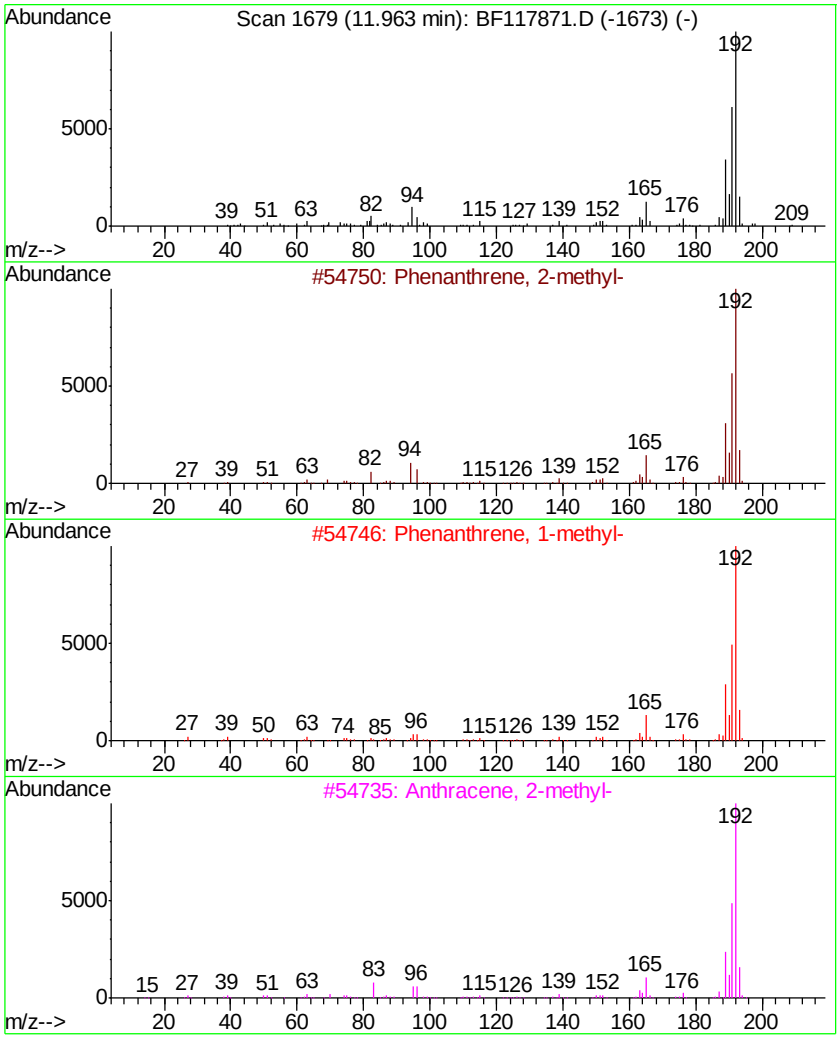
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

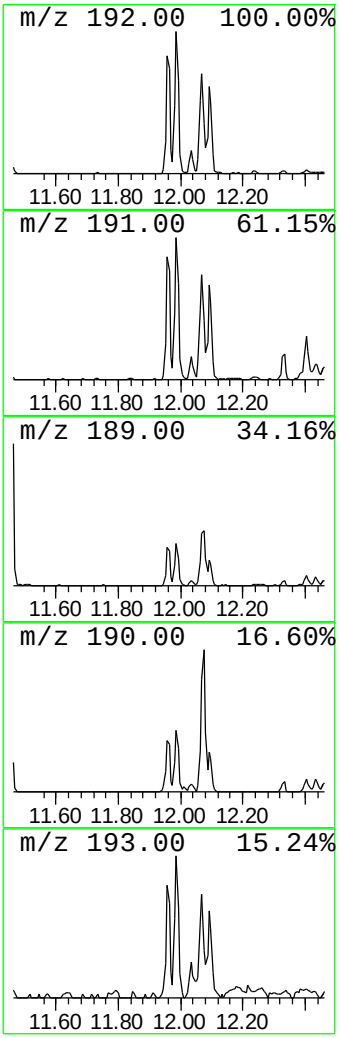
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.21 ng	204188	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

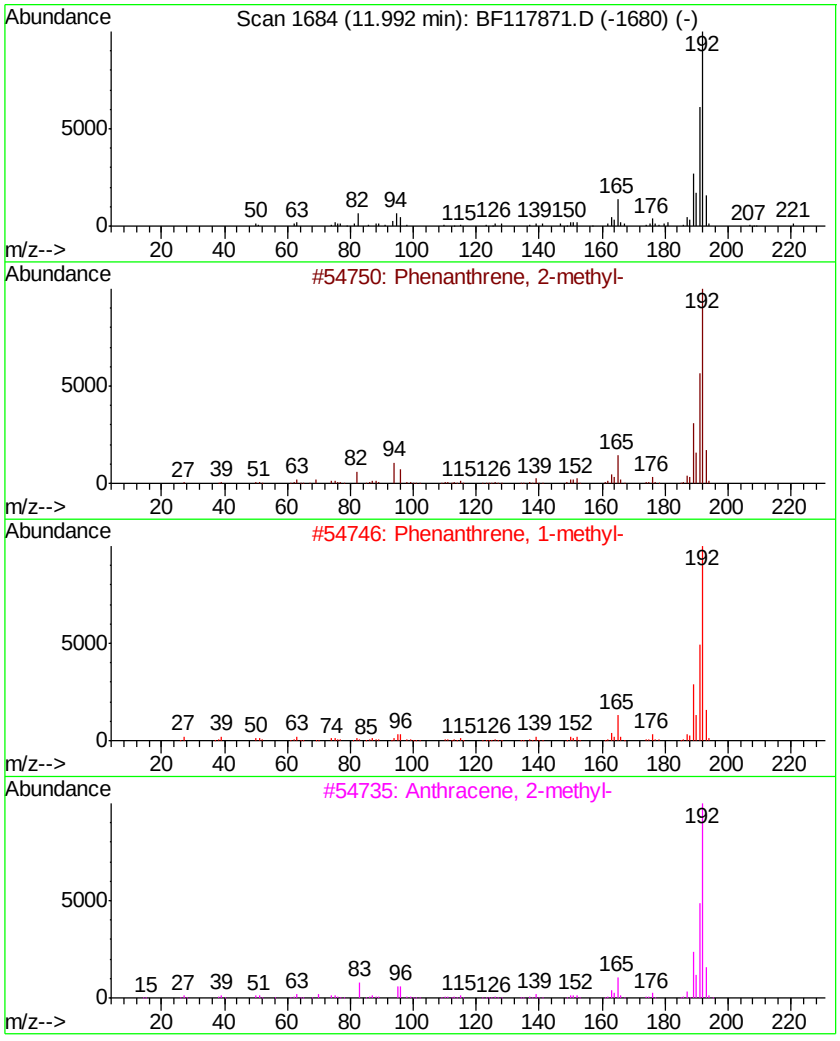
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

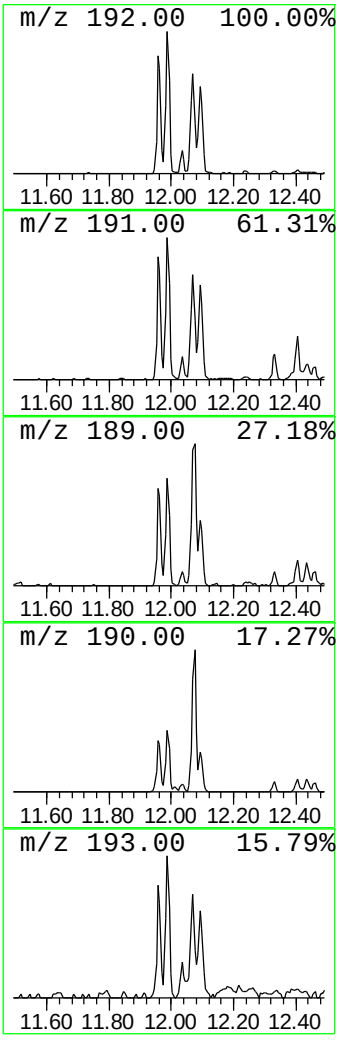
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	3.35 ng	310347	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

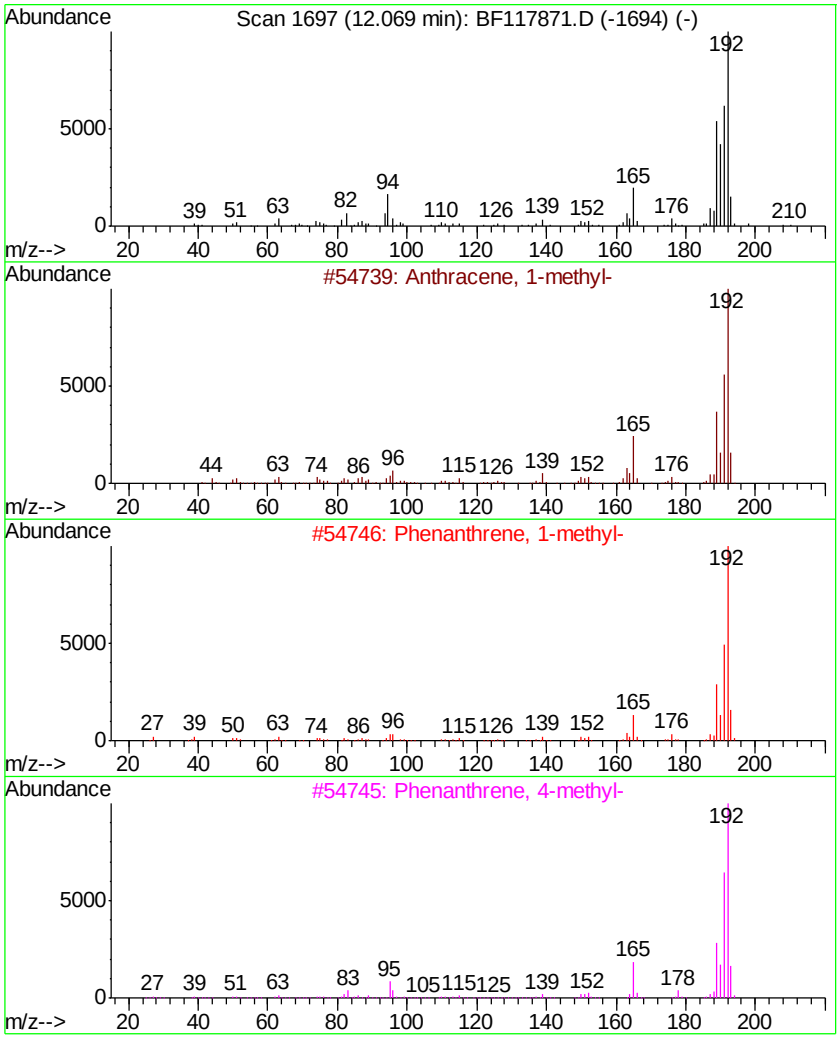
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

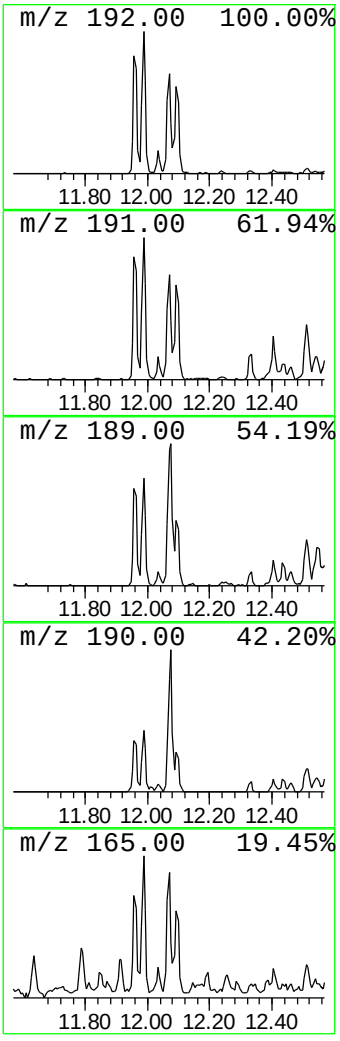
****

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	2.55 ng	235605	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

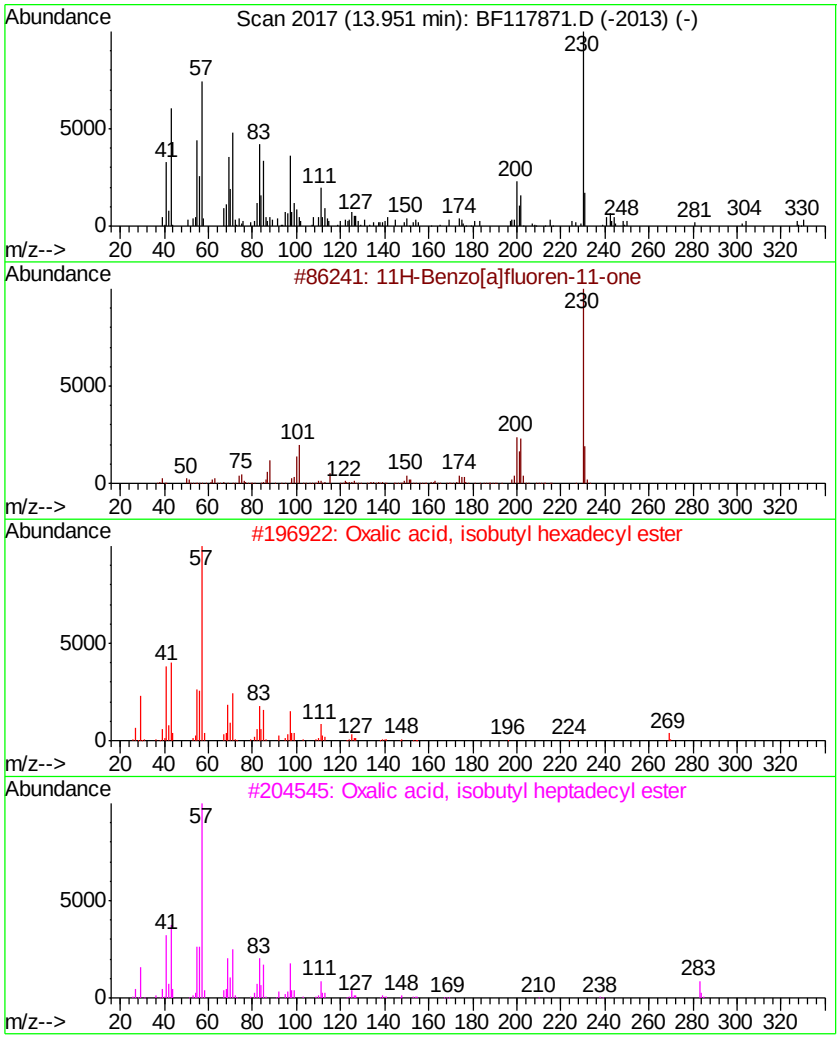
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

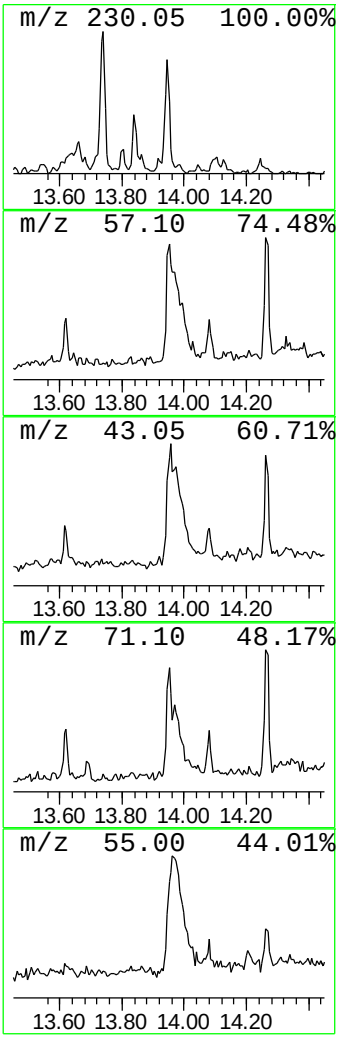
****

Peak Number 9 unknown13.95 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.67 ng	310869	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	46
2	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	45
3	Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	43
4	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	43
5	Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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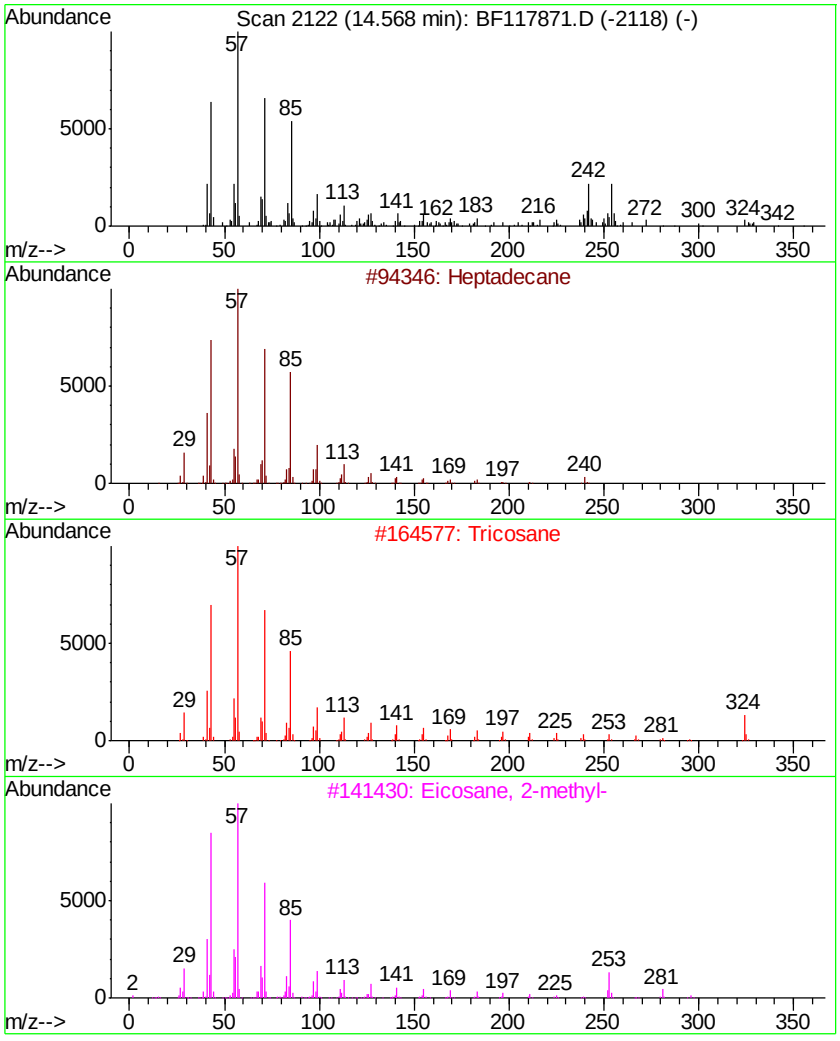
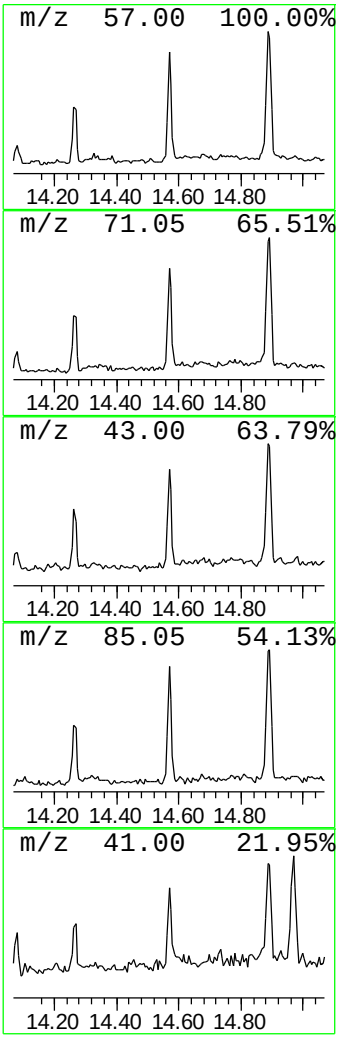
Peak Number 10 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	2.13 ng	180564	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Tricosane	324	C23H48	000638-67-5	83
3	Eicosane, 2-methyl-	296	C21H44	001560-84-5	70
4	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	64
5	Heneicosane	296	C21H44	000629-94-7	64





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Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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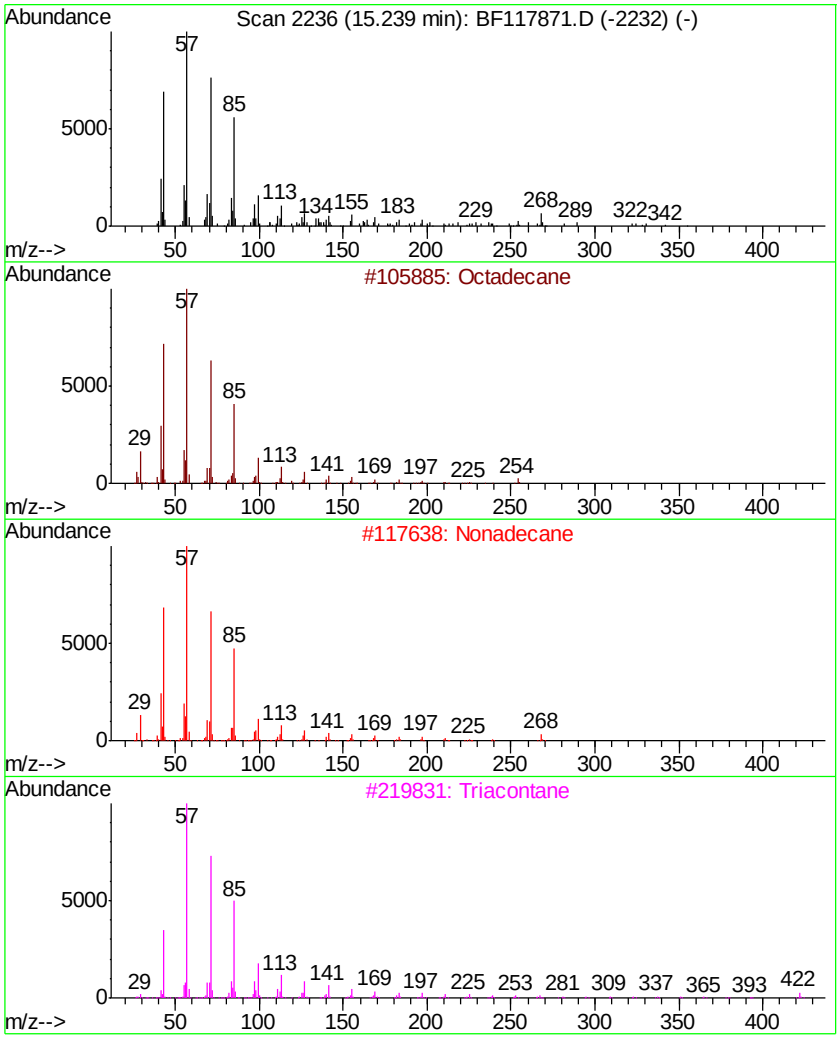
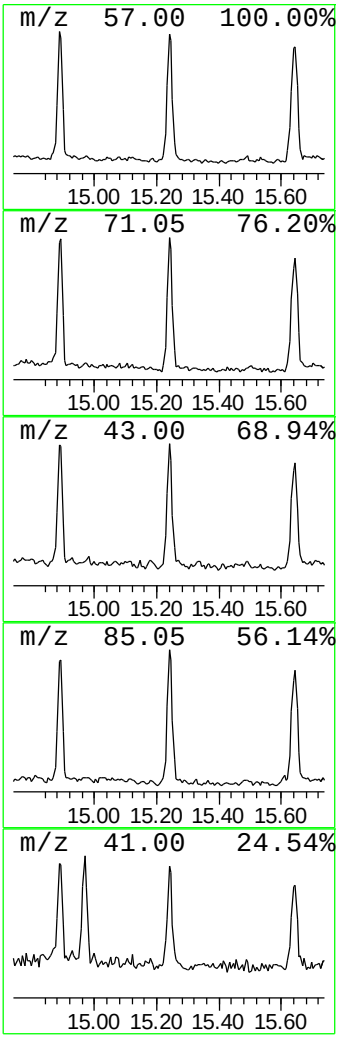
Peak Number 11 Octadecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	2.19 ng	148382	Perylene-d12	15.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	97
2	Nonadecane	268	C19H40	000629-92-5	93
3	Triacontane	422	C30H62	000638-68-6	90
4	Hexacosane	366	C26H54	000630-01-3	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90





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Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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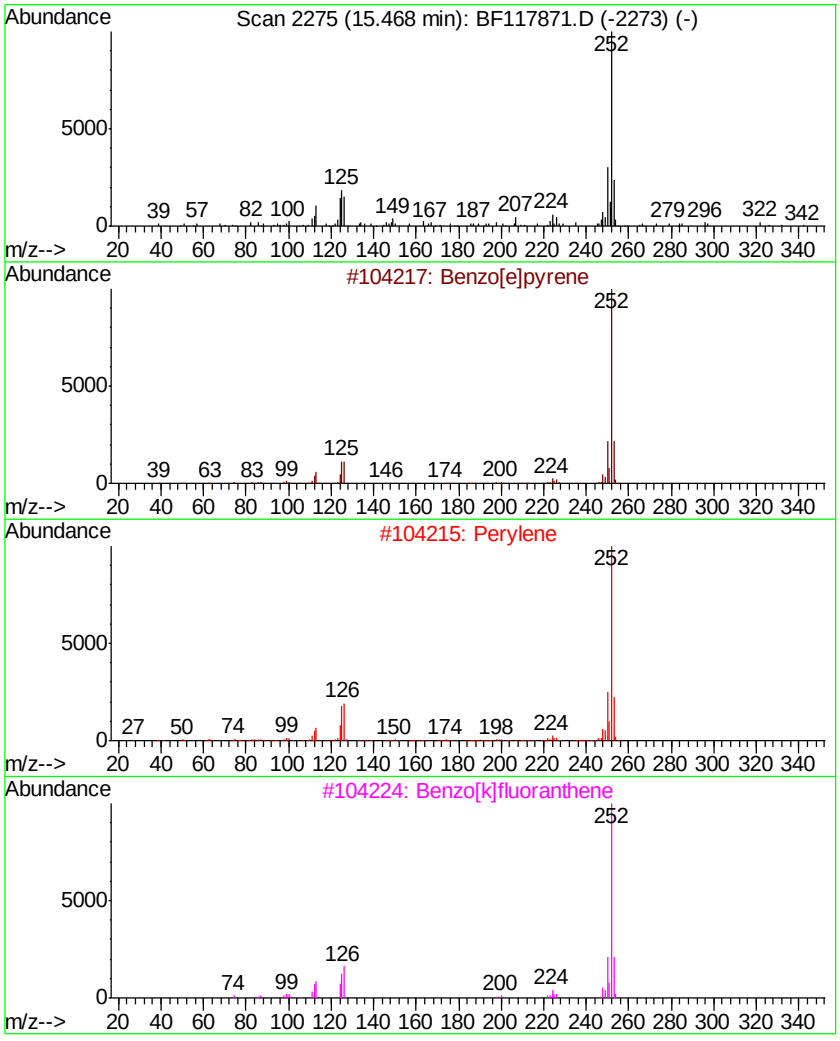
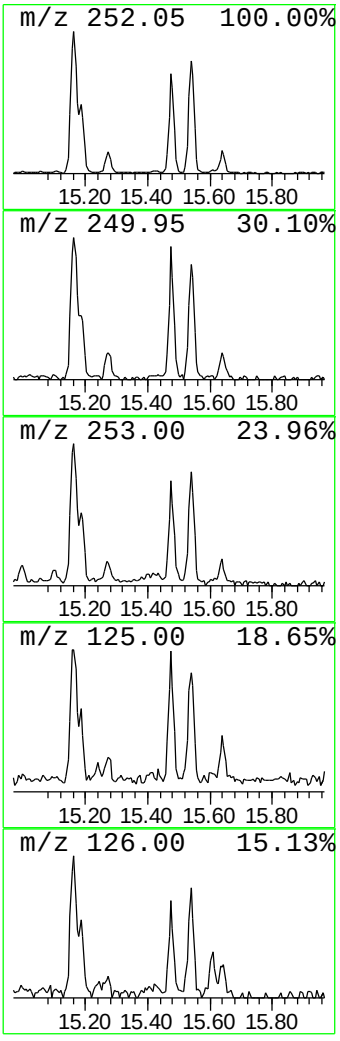
Peak Number 12 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	2.46 ng	167335	Perylene-d12	15.61

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111919\
Data File : BF117871.D
Acq On : 19 Nov 2019 20:36
Operator : JU
Sample : K5904-13
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 12-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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
Butane, 2-methoxy...	2.22	18.0	ng	1089290	1	6.92	1213310	20.0
2-Pentanone, 4-hy...	5.13	16.8	ng	1015970	1	6.92	1213310	20.0
unknown6.69	6.69	98.1	ng	5951840	1	6.92	1213310	20.0
Phenanthrene, 2-m...	11.96	2.2	ng	204188	4	11.46	1850760	20.0
Phenanthrene, 1-m...	11.99	3.4	ng	310347	4	11.46	1850760	20.0
Anthracene, 1-met...	12.07	2.5	ng	235605	4	11.46	1850760	20.0
unknown13.95	13.95	3.7	ng	310869	5	14.10	1696420	20.0
Heptadecane	14.57	2.1	ng	180564	5	14.10	1696420	20.0
Octadecane	15.24	2.2	ng	148382	6	15.61	1358040	20.0
Benzo[e]pyrene	15.47	2.5	ng	167335	6	15.61	1358040	20.0